

COLUMBIA THREADNEEDLE INVESTMENTS - EMEA¹

SUMMARY ORDER EXECUTION POLICY (FOR PROFESSIONAL CLIENTS)

November 2021

¹This Order Execution Policy applies to the following legal entities: Threadneedle Asset Management Limited, Threadneedle International Limited, Threadneedle Investment Services Limited, Threadneedle Management Luxembourg S.A., BMO Asset Management Limited (UK), BMO Asset Management Netherlands B.V., BMO AM Multi-Manager LLP, BMO Rep Asset Management Plc, BMO Fund Management Limited, BMO Investment Business Limited, LGM Investments Limited and Thames River Capital LLP.

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1. RATIONALE

1.1. BACKGROUND

In accordance with the Markets in Financial Instruments (Amendment) (EU Exit) Regulations 2018 (SI 2018/1403) following the UK's withdrawal from the European Union ("EU") ("Brexit"), insofar as this applies to relevant legal entities authorised and regulated in the UK, or as otherwise still remaining applicable in accordance with the EU Markets in Financial Instrument Amending Directive (2014/65/EU) ("MiFID II"), which came into effect on 3 January 2018, Columbia Threadneedle Investments - EMEA¹ ("Columbia Threadneedle") is required to put in place an Order Execution Policy ("Policy") and to take all sufficient steps to obtain the best possible result (or "best execution") on behalf of its clients, either when executing client orders or receiving and transmitting orders for execution.

1.2. PURPOSE

The purpose of this Policy is to set out how and where Columbia Threadneedle will achieve best execution.

1.3. OBJECTIVE

The objective of this Policy is to set out Columbia Threadneedle's requirements with regards to best execution across various asset classes.

1.4. SCOPE

This Policy is applicable to Front Office staff.

This Policy only applies to Professional Clients when Columbia Threadneedle is dealing in Financial Instruments (as defined in the FCA rules and consistent with the provisions of MiFID II) and either:

- i. receives and transmits client orders and/or
- ii. executes orders on a client's behalf.

1.5. KEY POINTS

This Policy sets out:

- Duty of best execution owed to professional clients
- Best execution factors
- Execution venues
- Client instructions
- Details relating to each asset class are contained separately within annexes
- Details of the execution venues are included in the separate asset class annexes

1.6. LEGAL AND REGULATORY REQUIREMENTS

EU Markets in Financial Instrument Amending Directive (2014/65/EU) (MiFID II) (15 May 2014): Columbia Threadneedle is required to put in place an Order Execution Policy ("Policy") and take all sufficient steps to obtain, when executing orders, the best possible result for their clients taking into account price, costs, speed, likelihood of execution and settlement, size, nature or any other consideration relevant to the execution of the order.

Markets in Financial Instruments (Amendment) (EU Exit) Regulations 2018 (SI 2018/1403), which were made on 19 December 2018, the purpose of which is to ensure that the regulatory regime established by the MiFID II Directive (2014/65/EU) and the Markets in Financial Instruments Regulation (600/2014) ("MiFIR") (together MiFID II) functions effectively after Brexit.

UK FCA Conduct of Business requirements: 11.2 Best Execution

COBS11.2A.4(R):

(1) A firm must take all sufficient steps to obtain, when executing orders, the best possible results for its clients taking into account the execution factors.

(2) The execution factors to be taken into account are price, costs, speed, likelihood of execution and settlement, size, nature or any other consideration relevant to the execution of an order.

[Note: article 27(1) of MiFID and article 25(2) of the UCITS implementing Directive].

Luxembourg CSSF Grand-Ducal Regulation of 13 July 2007: Art 52; Best execution criteria.

(1) This Article sets out the measures that credit institutions and investment firms are required to take to comply with the requirements of Article 37-3(1) and Article 37-5(1) of the amended law of 5 April 1993 on the financial sector.

(2) In order to determine the relative importance of the factors referred to in Article 37-5(1) of the amended law of 5 April 1993 on the financial sector, credit institutions and investment firms, when executing client orders, must take into account the following criteria:

- a) the characteristics of the client, including the categorisation of the client as retail or professional;
- b) the characteristics of the client order;
- c) the characteristics of financial instruments that are the subject of that order;
- d) the characteristics of the execution systems to which that order can be directed.

For the purposes of this article and of Article 54, "execution system" means a regulated market, a multilateral trading facility ("MTF"), an organised trading facility ("OTF") a systematic internaliser ("SI"), or a market maker or other liquidity provider or an entity that performs a function similar to any of the foregoing functions in a third country.

2. POLICY STATEMENT

2.1. GENERAL

Columbia Threadneedle ultimately retains responsibility in terms of owing its Professional Clients a duty of best execution. However, in many circumstances Columbia Threadneedle (*and its underlying clients*) can gain additional comfort in the knowledge that it too will benefit from the duty of best execution which entities (i.e. *brokers*) will owe when Columbia Threadneedle passes orders to those entities for execution (i.e. transmitting orders for execution).

Where orders are placed with brokers and that entity therefore executes orders “on a client’s (Columbia Threadneedle’s) behalf”, that entity will be judged to be performing a service whereby they either:

- Execute an order by dealing as agent;
- Execute an order by dealing as risk-less principal on behalf of a client (or as matched principal as the case may be); and
- “Work” an order on a client’s behalf.

In such instances described above, Columbia Threadneedle will be owed a duty of best execution by the Broker entity. However, in other instances where Columbia Threadneedle “requests for quote”, as is usually the case in fixed income markets (i.e. broker acts as principal in the transaction), then entities will generally not owe a duty of best execution to Columbia Threadneedle over such quotes.

2.2. ROLES AND RESPONSIBILITIES

Role (Position Title)	Responsibility
Front Office Dealers	Must comply with requirements of this Policy
Front Office Dealers	Review of Best Execution arrangements
Compliance	Monitoring

2.3. EXECUTION FACTORS

Columbia Threadneedle endeavours to provide all of our clients “best execution” on an equal basis.

The main factors that Columbia Threadneedle may take into consideration with each transaction or group of transactions are typically price, costs, speed, likelihood of execution and settlement, counterparty credit risk, size, nature or any other consideration relevant to the execution of the order. There are also various sub-factors within each which will lead to each of the five criteria having a lesser or greater influence over the decisions to achieve the best execution. The extent to which the different factors are relevant to each asset class is provided in the annexes.

2.4. EXECUTION VENUES

The decision to use which venue or entity is dependent upon the various factors described above.

Our Best Execution Policy includes, for each Financial Instrument in which we execute orders on your behalf, those venues that we consider enable us to obtain on a consistent basis Best Execution. Those possible execution venues include, as appropriate for each product; regulated markets, (MTFs), (OTFs), SIs, market makers, and other liquidity providers.

The details of venues used across asset classes are attached in Appendix 2. We reserve the right to use other execution venues that are not listed, where we deem appropriate in accordance with this Policy and may add or remove any execution venues from this list without notice.

2.5. BEST EXECUTION MONITORING

Columbia Threadneedle will utilise a combination of internal and external analysis to facilitate the monitoring of transactions. Columbia Threadneedle seeks to monitor the execution quality obtained but also the quality and appropriateness of their execution arrangements and policies on an ex-ante and ex-post basis using a combination of internal and external analytics and review processes.

2.6. REVIEW

Columbia Threadneedle will review its execution policy and procedures on at least an annual basis. Details of material changes to this Policy will be made available to clients and information updated, where applicable, in the relevant asset class annex. This policy and all relevant annexes are available on the Columbia Threadneedle website under the heading 'Legal Documents' within the Literature section.

We also regularly review whether the execution venues we use to execute orders provide the quality of service we require to consistently obtain the best possible result for our clients. We do this using Transaction Cost Analysis to quantify execution quality and identify trends and outliers. We also publish, at least annually, our top five execution venues for each financial instrument in terms of trading volumes and our report on the quality of execution obtained.

We have a robust governance framework in place around order execution processes and outcomes. The relevant governance bodies are responsible for oversight of practices and review of this policy and include representation from the Front Office Assurance and Oversight, Trading and Compliance teams.

2.7. GENERAL TERMS OF ORDER HANDLING

As we seek to enhance our investment capabilities and services to our clients, we may engage certain of our non-U.K. affiliated companies, of the Ameriprise Financial Inc., Group, around the world to provide dealing services on behalf of the clients of Columbia Threadneedle. We believe that harnessing the collective expertise of Columbia Threadneedle Investments and its affiliates will benefit our clients. By utilising the execution skills and resources of different dealing desks around the world (notably UK, US and Singapore), we are able to be active and engaged in each of the live local markets with a real-time presence in markets around the globe. This global execution model adds value to the portfolio management teams and ultimately our clients.

We are required under MiFID to execute client orders in a prompt and fair manner. We will execute aggregated orders sequentially in accordance with the time of their receipt unless otherwise instructed by the client, the interests of the client require otherwise, or the specifics of the order and the current market conditions make this impracticable. This may involve merging client orders together with those of other Columbia Threadneedle clients and may also include aggregated orders from its affiliates. Columbia Threadneedle believes that overall the effect of aggregation should generally be of benefit to clients, although it remains possible that on occasions, this may work to its disadvantage in relation to a particular order. For example, this may include circumstances whereby trades not aggregated with those of other clients (e.g. because of specific client instruction to execute otherwise) may be executed at different times via a different venue, receive a different price, which may or may not be a more favourable price to those that are aggregated with other clients.

With regard to secondary market trading, initial public offerings (IPOs) and New Issues, we comply with a strict order allocation process in accordance with our internal allocation policy.

2.8. CROSS TRADING

A cross trade is an arrangement whereby a sale order for one Client and a purchase order for another Client is placed with the same broker/venue, with the intention that the sale order is executed with the purchase order at the pre-arranged price. The overriding objective of initiating a cross trade is to achieve best execution. Cross trades can meet the objective of best execution because there is no market impact and they incur minimal administrative fees or commissions. All cross trades, executed by those relevant entities listed to which this policy applies, will be executed on venue where price validation takes place and adhere to any client mandate or regional restrictions.

2.9. SPECIFIC CLIENT INSTRUCTIONS

When a client gives Columbia Threadneedle a specific instruction as to the execution of an order, then that order will generally be executed in accordance with those specific instructions. Clients should therefore be aware that providing specific instructions will override Columbia Threadneedle's obligations to execute client orders in accordance with this Policy.

Similarly, if a client gives a specific instruction for an "Advisory Fund" or an "Advised Execution" fund, this instruction may prevent us from obtaining the best possible result in accordance with our Policy.

Where Columbia Threadneedle gives a specific instruction to an entity as to the execution of an order (for example, Direct Market Access (DMA) equity orders submitted via an electronic system), that order would be carried out by that entity (or broker) in accordance with the specific instructions and may not therefore follow the process indicated in the entity's own Policy. In such situations, Columbia Threadneedle will be solely responsible for providing best execution to its own clients, and as a client of the Broker entity providing DMA may not have the benefit of those regulatory protections owed to it by that entity.

3. APPENDIX 1

Definitions

Advised Execution – means a non-discretionary arrangement between the firm and its client to effect executions upon instruction from the client following the provision of reactive advice given to that client.

Advisory Fund – means a non-discretionary portfolio whereby advice is provided to the client by the firm and from which the client retains responsibility for choosing whether or not to accept the advice given.

Execution Venue/Entity - means a Regulated Market (RM), a Multilateral Trading Facility (MTF), an Organised Trading Facility (OTF), a Systematic Internaliser (SI) or a market maker, or another liquidity provider or an entity that performs a similar function.

Financial Instruments – includes:

- i. transferable securities;
- ii. money-market instruments;
- iii. units in collective investment schemes;
- iv. options, futures, forwards, swaps, forward rate agreements and any other derivative contracts relating to securities
- v. derivative instruments for the transfer of credit risk;
- vi. financial contracts for differences.

Note: Financial instruments do not include spot transactions, or loans and certain commodities.

MiFID - means the Directive 2004/39/EC of the European Parliament and the Council of 21 April 2004 on Markets in Financial Instruments Directive and any implementing directives and regulations.

MiFID II - means the Directive 2014/65/EU of the European Parliament and the Council of 15 May 2014 on markets in financial instruments and amending Directive 2002/92/EC and Directive 2011/61/EU (recast).

MiFIR – means the Regulation (EU) No 600/2014 of the European Parliament and the Council of 15 May 2014 on markets in financial instruments and amending Regulation (EU) No 648/2012.

MTF (Multilateral Trading Facility) – means a system operated by an investment firm or a market operator, which brings together multiple third-party buying and selling interests in Financial Instruments, in the system and in accordance with non-discretionary rules, in a way that results in contract in accordance with the provisions of Title II of MiFID.

OTF (Organised Trading Facility) – means a multilateral system which is not a regulated market or an MTF and in which multiple third-party buying and selling interests in bonds, structured finance products, emission allowances or derivatives are able to interact in the system in a way that results in a contract in accordance with Title II of MiFID.

Professional Client – means a client meeting the criteria laid down in Annex II of MiFID.

RM (Regulated Market) - means a multilateral system operated and/or managed by a market operator which brings together multiple third party buying and selling interests in Financial Instruments in the system and in accordance with non-discretionary rules, in a way that results in contract, in respect of the Financial Instruments admitted to trading under its rules and/or systems and which is authorised and functions regularly in accordance with the provisions of Title II of MiFID.

SI (Systematic Internaliser) – means an investment firm which, on an organised, frequent, systematic and substantial basis, deals on own account when executing client orders outside a regulated market, an MTF or an OTF.

Trading Venue – means a regulated market, an MTF or an OTF

APPENDIX 2

List of venues that firms may place significant reliance on in meeting their best execution obligations:

Abbey National Treasury Services plc
ABG Sundal Collier ASA
ABN Amro Bank NV
Absa Bank Limited
ADM Investor Services, Inc
Alamo Capital
AllianceBernstein Holding L.P.
Amherst Pierpoint Securities LLC
ANZ Securities, Inc
Arbor Research & Trading UK Limited
Arbor Research & Trading, LLC
Arden Partners Plc
Asian Development Bank
Atlantic Equities LLP
Auerbach Grayson and Company LLC
Aurel BCG
Australia & New Zealand Banking Group Limited
Avior Capital Markets International Limited
BBVA Securities Inc
B. C. Ziegler and Company
B. Riley Securities, Inc
Baader Helvea Inc
Banco Santander SA
Bank Degroof Petercam SA
Bank of America Corporation
Bank of America Merrill Lynch International Designated Activity Company
Bank of America NA
Bank of America Na, Shanghai
Bank of Montreal
Bank of New York Mellon Corporation
Bank of New York Mellon SA/NV
Banque Lombard Odier & Cie SA
Barclays Bank plc
Barclay's Capital Inc
Barclays Capital Securities Ltd
BB&T Securities LLC
BCP Securities LLC
Benchmark Securities, LLC
Bernstein Autonomous LLP
BGC Brokers LP
Bloomberg Tradebook Europe Ltd
Bloomberg Trading Facility Limited (BMTF)
BMO Capital Markets Corp.
BMO Capital Markets Ltd

BNP Paribas Arbitrage
BNP Paribas (China) Limited
BNP Paribas Commodity Futures Limited
BNP Paribas Equities France SA
BNP Paribas SA
BNP Securities Asia Ltd
BNP Paribas Securities Corp
BNP Paribas Securities Services
BNY Mellon Capital Markets, LLC
BOCI Securities Ltd
Boenning & Scattergood, Inc
BofA Securities, Inc.
BOK Financial Securities, Inc.
Bradesco Securities, Inc
Brean Capital, LLC.
Bred Banque Populaire SAC
Bred Banque Populaire SAC
Brownstone Investment Group, LLC
BTG Pactual US Capital, LLC
BTIG Limited
BTIG, LLC
C.L. King & Associates, Inc.
Cabrera Capital Markets, LLC
Caixabank SA
Cambridge International Securities Inc
Canaccord Genuity Limited
Canaccord Genuity LLC
Canadian Imperial Bank of Commerce (CIBC)
Cantor Fitzgerald & Co
Cantor Fitzgerald Europe
Carnegie Investment Bank AB
Cenkos Securities Plc
China International Capital Corporation Ltd
China International Capital Corporation Hong Kong Securities Limited
CICC US Securities, Inc
CIMB Bank Bhd
Citadel Securities LLC
Citibank NA
Citibank (China) Co., Ltd
Citigroup Inc
Citigroup Global Markets Inc
Citigroup Global Markets Limited
Citizens Bank, NA
CLSA (UK)
CLSA Americas, LLC
CLSA Limited
CLSA Singapore Pte Ltd
Columbia Management Investment Advisers LLC (an affiliated investment management entity)

Commerzbank AG
Commerz Markets LLC
Commonwealth Australia Securities LLC
Commonwealth Bank of Australia
Tradition London Clearing Limited
Cooperatieve Rabobank U.A.
Cowen Execution Services Limited
Cowan International Limited
Cowen & Company, LLC
Craig-Hallum Capital Group LLC
Credit Agricole Corporate & Investment Bank
Credit Agricole SA
Credit Agricole Securities (USA) Inc
Credit Suisse AG
Credit Suisse AG, New York Branch
Credit Suisse (Brasil) SA Corretora
Credit Suisse International
Credit Suisse Securities (Europe) Limited
Credit Suisse Securities (USA) LLC
CSI Global Markets Ltd
D.A. Davidson & Co
Daiwa Capital Markets America Inc
Daiwa Capital Markets Europe Limited
Danske Bank A/S
Davenport & Company LLC
Davy Securities Limited
DBS Bank Ltd
DBS Bank (China) Limited
Deutsche Bank AG
Deutsche Bank Securities Inc.
DNB Bank ASA
DNB Markets, Inc.
Duncan-Williams, Inc
DZ Bank AG Deutsche Zentral-Genossenschaftsbank AG
Evercore Group LLC
Exane Ltd
Exane, Inc
Exane SA
Federal Reserve Bank of New York
FHN Financial Securities Corp.
Fidelity Capital Markets (a division of National Financial Services, LLC)
Fidentiis Equities Sociedad de Valores S.A.
Fifth Third Securities, Inc
Financial Brokerage Group
FinnCap Limited
First Abu Dhabi Bank PJCS
Flow Traders BV
FX Alliance Limited (FXAll)

GMS Group, L.L.C (The)
Goldman Sachs Execution & Clearing, L.P.
Goldman Sachs Group, Inc.
Goldman Sachs International
Goldman, Sachs & Co. LLC
Goldman, Sachs Bank USA
Goodbody Stockbrokers UC
Guggenheim Securities, LLC
HaiTong International Securities Company Ltd
Hauck & Aufhaeuser Privatbankiers KGaA
Headlands Tech Global Markets, LLC
Herbert J. Sims & Co., Inc.
Hilltop Securities Inc.
HSBC Bank (China) Co., Ltd.
HSBC Bank plc
HSBC Bank USA, NA
HSBC Holdings, Plc
HSBC Securities (USA) Inc
Ho Chi Minh Securities Corporation
Huntington Securities, Inc.
ICAP Securities Ltd
ICAP Plc
ICBC Standard Bank plc
ICICI Securities Primary Dealership Limited
Ichiyoshi Securities Co., Ltd.
IIFL Securities Ltd'
Imperial Capital LLC
ING Bank NV
ING Financial Markets LLC
Instinet Europe Limited
Instinet, LLC
Intesa Sanpaolo S.p.A.
Investec Bank plc
Investment Technology Group Limited
Itau BBA International Plc
Itau BBA USA Securities Inc
J&E Davy
Jane Street Execution Services, LLC
Jane Street Financial Limited
Jane Street Hong Kong Limited
Janney Montgomery Scott LLC
Jefferies International Limited
Jefferies LLC
JMP Securities LLC
Joh, Berenberg, Gossler & Co. KG (Berenberg Bank)
JonesTrading Institutional Services LLC
JonesTrading International
JP Morgan Chase & Co.

JP Morgan Chase Bank (China) Company Limited
JP Morgan Chase Bank NA
JP Morgan Securities Plc
J.V.B. Financial Group, LLC
KBC Securities NV
Keefe, Bruyette and Woods, Inc
Kepler Cheuvreux SA
Keybank Capital Markets Inc.
'King & Shaxson Ltd
Korea Investments & Securities Co., Ltd.
Kotak Securities
Lancaster Pollard & Co., LLC
Landesbank Hessen-Thüringen Girozentrale
Liberum Capital Ltd
Liquidity Finance LLP
Liquidnet Europe Limited
Liquidnet, Inc.
Lloyds Bank Corporate Markets Plc
Lloyds Bank plc
Lloyds Securities Inc.
Loop Capital Markets LLC
Luminex Trading & Analytics LLC
Macquarie Bank Ltd
Macquarie Capital (USA) Inc.
Macquarie Capital (Europe) Limited
Macquarie Securities (Australia) Limited
MainFirst Bank AG
Marex Financial Limited
'Marex North America LLC - RCG Division
MarketAxess Capital Limited
MarketAxess Corporation
Maybank Kim Eng Securities Pte. Ltd
Mediobanca- Banca di Credito Finanziario S.p.A
Merrill Lynch Capital Services Inc.
Merrill Lynch International Limited
Mesirow Financial, Inc.
Middlegate Securities Ltd.
Millennium Advisors, LLC
Millennium Europe Limited
Mirabaud Securities Limited
Mirae Asset Daewoo Co Ltd
Mirae Asset Securities (USA) Inc.
Mitsubishi UFJ Trust International Limited
Mizuho Bank (China), Ltd.
Mizuho International Plc
Mizuho Securities Co Ltd
Mizuho Securities USA LLC
MKM Partners LLC

Morgan Stanley & Co International plc
Morgan Stanley & Co., LLC
Morgan Stanley Capital Services LLC
Motilal Oswal Financial Services Ltd
MUFG Securities Americas Inc.
MUFG Securities EMEA Plc
NatAlliance Securities, LLC
National Australia Bank Ltd
National Bank Financial Inc.
National Bank of Canada Financial Inc.
Natixis SA
NatWest Markets Plc
NatWest Markets Securities Inc.
Needham & Company, LLC
NH Investment & Securities Co., Ltd
Nomura International plc
Nomura Securities International, Inc.
Nordea Bank AB
Northland Securities, Inc.
Northern Trust Company/The
Northern Trust Corporation/The
Northern Trust Global Services Plc/The
Nplus 1 Singer Capital Markets Limited
Numis Securities Ltd
NW Capital Markets Inc.
Oddo BHF New York Corporation
Oddo BHF SCA
Oppenheimer & Co Inc
Oppenheimer Europe Ltd
Panmure Gordon (UK) Ltd
Peel Hunt LLP
Performance Trust Capital Partners, LLC
Pershing LLC
Piper Sandler & Co
PNC Capital Markets LLC
Raymond James & Associates Inc
Raymond James Financial International Limited
RBC Capital Markets LLC
RBC Dominion Securities Inc
RBC Europe Ltd
Redburn (Europe) Limited
Renaissance Capital Limited
Rencap Securities, Inc.
Robert W. Baird & Co. Incorporated
Roosevelt & Cross, Incorporated
R. Seelaus & Co., LLC
Royal Bank of Canada/The
Royal Bank of Scotland PLC/The

Wallich & Mathies BV
Clarksons Platou Securities As (formerly RS Platou Markets AS)
Samco Capital Markets, Inc.
Samsung Securities (America) Ltd
Samuel A. Ramirez & Company, Inc.
Sanford C Bernstein & Co LLC
Sanford C. Bernstein Limited
Santander Investment Securities Inc.
Sberbank CIB (UK) Limited
Scotia Capital (USA) Inc.
Scotiabank (The Bank of Nova Scotia)
Scotiabank Europe Ltd
Seaport Global Securities LLC
Seaport Group Europe LLP/The
SG Americas Securities, LLC
Shore Capital Stockbrokers Limited
SIB (Cyprus) Limited
Siebert Williams Shank & Co., L.L.C.
Skandinaviska Enskilda Banken AB
SMBC Bank International Plc
SMBC Nikko Capital Markets Ltd
SMBC Nikko Securities America Inc
Societe Generale
Societe Generale International Limited
Standard Chartered Bank Plc
Standard Chartered Bank (China) Limited
State Street Bank & Trust Company
State Street Corp
State Street Global Markets, LLC
Stephens Inc.
Stern Brothers & Co.
Stifel Nicolaus Europe Ltd
Stifel, Nicolaus & Company, Incorporated
StoneX Financial, Inc.
Sumitomo Mitsui Financial Group, In
SumRidge Partners, LLC
Susquehanna Financial Group, LLP
SVB Leerink LLC
Svenska Handelsbanken AB
SWBC Investment Services, LLC
TD Securities Inc
TD Securities (USA), LLC
Threadneedle Investments Singapore (Pte.) Limited (an affiliated investment management entity)
Toronto-Dominion Bank/The
TPCG Financial Services Agente De Valores SA
Tradeweb Direct LLC
Tradeweb Europe Limited
Tradition London Clearing Limited

Truist Securities, Inc.
U.S. Bancorp Investments, Inc.
UBS AG
UBS AG, London Branch
UBS Group AG
UBS Financial Services, Inc
UBS Securities Limited
UBS Securities LLC
Uhlmann Price Securities, LLC
UMB Bank, National Association
UniCredit Bank AG
UniCredit SpA
United Capital Markets, Inc.
UOB Kay Hian (U.S.) Inc.
Van Lanschot Kempen N.V.
Viet Capital Securities JSC
Vining-Sparks IBG, Limited Partnership
Virtu Americas LLC
Virtu Financial Ireland Ltd
Virtu ITG Europe Limited
Virtu ITG HK Limited
Wedbush Securities Inc.
Wells Fargo Bank NA
Wells Fargo Securities International Limited
Wells Fargo, LLC
Wells Fargo Securities, LLC
Westpac Banking Corp
William Blair & Company L.L.C.
William Blair International Ltd
Winterflood Securities Limited
Yuanta Securities Co., Ltd.
Zions Bancorporation, N.A.

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