

List of Execution Venues

Version 2.0
Effective January 2019

Bank of America Merrill Lynch (“BofAML”) (including its affiliates) uses the following execution venues when obtaining best execution as defined by MiFID. The list detailed below is not exhaustive and may be subject to change and reissued from time to time, as set out in BofAML’s Policy. BofAML may also use other execution venues where it deems appropriate from time to time in accordance with the guidelines set out in the Policy.

Asset class	Region	Regulated Markets of which MLI is a direct member and MTFs accessed by MLI
Equities	EMEA	Aquis UK
Equities	EMEA	Athex Group
Equities	EMEA	Bloomberg UK
Equities	EMEA	Borsa Italiana
Equities	EMEA	Cboe UK
Equities	EMEA	Deutsche Borse Xetra
Equities	EMEA	Equiduct
Equities	EMEA	Euronext Amsterdam
Equities	EMEA	Euronext Brussels
Equities	EMEA	Euronext Paris
Equities	EMEA	Euronext Lisbon
Equities	EMEA	Irish Stock Exchange
Equities	EMEA	ITG Posit
Equities	EMEA	London Stock Exchange
Equities	EMEA	NASDAQ OMX Nordic- Copenhagen
Equities	EMEA	NASDAQ OMX Nordic – Helsinki
Equities	EMEA	NASDAQ OMX Nordic – Stockholm
Equities	EMEA	Oslo Børs
Equities	EMEA	Six Swiss Exchange
Equities	EMEA	Tel Aviv Stock Exchange
Equities	EMEA	Trade Web UK

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Bank of America
Merrill Lynch

Equities	EMEA	Turquoise
Equities	EMEA	UBS
Equities	EMEA	Warsaw Stock Exchange
Equities	EMEA	Wiener Börse

Asset class	Region	Regulated Markets of which BofASE is/will be a direct member and MTFs that are/will be accessed by BofASE subject to BofASE membership approval.
Equities	EMEA	Aquis BV
Equities	EMEA	Athens Exchange Group
Equities	EMEA	Bloomberg BV
Equities	EMEA	Borsa Italiana
Equities	EMEA	Cboe UK
Equities	EMEA	Deutsche Borse
Equities	EMEA	Equiduct
Equities	EMEA	Euronext Amsterdam
Equities	EMEA	Euronext Brussels
Equities	EMEA	Euronext Lisbon
Equities	EMEA	Euronext Paris
Equities	EMEA	Irish Stock Exchange
Equities	EMEA	ITG Posit
Equities	EMEA	London Stock Exchange (non-trading)
Equities	EMEA	NASDAQ OMX Nordic- Copenhagen
Equities	EMEA	NASDAQ OMX Nordic – Helsinki
Equities	EMEA	Nasdaq OMX Nordic – Oslo

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Equities	EMEA	NASDAQ OMX Nordic – Stockholm
Equities	EMEA	Oslo Børs
Equities	EMEA	Tradeweb BV
Equities	EMEA	Turquoise BV
Equities	EMEA	Wiener Börse AG
Equities	EMEA	Warsaw Stock Exchange

Please note that MLI has recognition status for NASDAQ OMX – Dubai

Asset class	Region	Regulated Markets which an MLI affiliate accesses or is a direct member of	Name of affiliate
Equities	AMRS	Mercado a término de Rosario (ROFEX)	Merrill Lynch Argentina
Equities	AMRS	Mercado Abierto Electronico (MAE)	Merrill Lynch Argentina
Equities	AMRS	Bovespa	Merrill Lynch S/A CTVM - 13
Equities	AMRS	Toronto Stock Exchange	Merrill Lynch Canada Inc
Equities	AMRS	TSX Venture Exchange	Merrill Lynch Canada Inc
Equities	AMRS	Canadian Securities Exchange (Pure Trading venue)	Merrill Lynch Canada Inc
Equities	AMRS	TriAct Canada (MatchNow)	Merrill Lynch Canada Inc
Equities	AMRS	Montreal Exchange	Merrill Lynch Canada Inc
Equities	AMRS	Santiago Stock Exchange	Merrill Lynch Corredores de Bolsa SpA
Equities	AMRS	Bolsa Mexicana de Valores	Merrill Lynch Mexico, S.A. de C.V., Casa de Bolsa
Equities	AMRS	BATS ZX Exchange	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	BATS Y Exchange	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	NASDAQ OMX BX (previously the Boston Stock Exchange)	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	Chicago Stock Exchange	Merrill Lynch Pierce Fenner and Smith

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Equities	AMRS	DirectEdge A	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	DirectEdge X	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	NASDAQ	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	NYSE	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	NYSE ARCAIPELAGO	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	NYSE AMEX	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	NYSE MKT	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	NASDAQ OMX PHLX (previously the Philadelphia Stock Exchange)	Merrill Lynch Pierce Fenner and Smith
Equities	APAC	Australian Securities Exchange (ASX)	Merrill Lynch Equities (Australia) Limited
Equities	APAC	Chi X	Merrill Lynch Equities (Australia) Limited
Equities	APAC	Hong Kong Stock Exchange (HKSE)	Merrill Lynch Far East Limited
Equities	APAC	Bombay Stock Exchange	DSP Merrill Lynch Limited
Equities	APAC	National Stock Exchange of India	DSP Merrill Lynch Limited
Equities	APAC	Jakarta Stock Exchange	PT Merrill Lynch Indonesia
Equities	APAC	Japan Exchange Group (JPX)	Merrill Lynch Japan Securities Co Ltd.
Equities	APAC	Tokyo Financial Exchange (TFX)	Merrill Lynch Japan Securities Co Ltd.
Equities	APAC	Tokyo Stock Exchange (TSE)	Merrill Lynch Japan Securities Co Ltd.
Equities	APAC	Osaka Exchange (OSE)	Merrill Lynch Japan Securities Co Ltd.
Equities	APAC	KOSPI of Korea Exchange (KRX)	Merrill Lynch International Inc Seoul Branch
Equities	APAC	KOSDAQ of Korea Exchange (KRX)	Merrill Lynch International Inc Seoul Branch
Equities	APAC	Taiwan Stock Exchange (TW/TWO)	Merrill Lynch Securities (Taiwan) Ltd.
Equities	EMEA	Moscow Exchange	OOO Merrill Lynch Securities (MLS)
Equities	EMEA	Tadawul, Saudi Stock Market	Merrill Lynch KSA
Equities	EMEA	Johannesburg Stock Exchange Limited (JSE)	Merrill Lynch South Africa

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Equities	EMEA	Bolsa de Madrid	MERRILL LYNCH CAPITAL MARKETS ESPAÑA, S.A
Equities	EMEA	Borsa Istanbul	Merrill Lynch Yatirim Bank

Asset class	Region	SIs accessed by MLI
Equities	EMEA	<p>MLI when acting in its capacity as SI</p> <p>Third party SIs including:</p> <ul style="list-style-type: none"> • Jane Street • Tower • Virtu

Asset class	Region	SIs accessed by BofASE
Equities	EMEA	<p>BofASE when acting in its capacity as SI</p> <p>Third party SIs including:</p> <ul style="list-style-type: none"> • Jane Street • Tower • Virtu

Asset class	Region	ATS & PTS accessed by MLI affiliates	Name of affiliate
Equities	AMRS	BIDS Trading ATS	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	IEX ATS	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	KnightMatch	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	Level ATS	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	Wells Fargo ATS	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	Citadel Apogee	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	UBS Securities	Merrill Lynch Pierce Fenner and Smith
Equities	AMRS	Omega ATS	Merrill Lynch Canada Inc

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Equities	AMRS	Alpha Trading Systems	Merrill Lynch Canada Inc
Equities	AMRS	Chi-X Canada	Merrill Lynch Canada Inc
Equities	AMRS	CX2	Merrill Lynch Canada Inc
Equities	AMRS	Lynx	Merrill Lynch Canada Inc
Equities	APAC	Chi X	Merrill Lynch Japan Securities Co Ltd.
Equities	APAC	Japannext	Merrill Lynch Japan Securities Co Ltd.

Asset class	Region	Crossing networks/matching systems used by MLI affiliates
Equities	AMRS	BlockCross (Pulse)
Equities	AMRS	Fidelity CrossStream
Equities	Global	Instinct X (Instinct is used by MLI & affiliates)
Equities	APAC	ASX Centrepoint
Equities	AMRS	Citadel Connect
Equities	AMRS	KnightLink

Asset class	Region	Exchange	MLI, affiliate or third party broker
Exchange Traded Derivatives	AMRS	BM&F BOVESPA *LIC	Third Party Broker
Exchange Traded Derivatives	AMRS	Montreal Exchange (MX)	MLC
Exchange Traded Derivatives	AMRS	Ice Canada	MLPFS
Exchange Traded Derivatives	AMRS	Montreal Exchange (MX)	MLC
Exchange Traded Derivatives	AMRS	Bolsa Mex De Derivados *Lic	Third Party Broker
Exchange Traded Derivatives	AMRS	Bolsa Mexicana de Valores (BMV)	Third Party Broker
Exchange Traded Derivatives	AMRS	Bats Options Market	MLPFS

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Exchange Traded Derivatives	AMRS	Boston Options Exchange (BOX)	MLPFS
Exchange Traded Derivatives	AMRS	C2 Options Exchange	MLPFS
Exchange Traded Derivatives	AMRS	CBOE Futures (CFE)	MLPFS
Exchange Traded Derivatives	AMRS	Chicago Board Of Trade	MLPFS
Exchange Traded Derivatives	AMRS	Chicago Board Options Exchange (CBOE),	MLPFS
Exchange Traded Derivatives	AMRS	Chicago Mercantile Exch Imm	MLPFS
Exchange Traded Derivatives	AMRS	Commodity Exchange (Comex)	MLPFS
Exchange Traded Derivatives	AMRS	Default Us Equity Options	MLPFS
Exchange Traded Derivatives	AMRS	Electronic Liquidity Exchange	MLPFS
Exchange Traded Derivatives	AMRS	Eris Exchange *Lic*	MLPFS
Exchange Traded Derivatives	AMRS	Ice Clear Credit *Lic	MLPFS
Exchange Traded Derivatives	AMRS	Ice Futures Us (Csce)	MLPFS
Exchange Traded Derivatives	AMRS	Ice Futures Us (Nyce)	MLPFS
Exchange Traded Derivatives	AMRS	International Securities Exchange (ISE)	MLPFS
Exchange Traded Derivatives	AMRS	ISE Gemini Options Exchange	MLPFS
Exchange Traded Derivatives	AMRS	Miami International Securities Exchange LLC (MIAX)	MLPFS
Exchange Traded Derivatives	AMRS	EDGX OPTIONS	MLPFS & MLPro
Exchange Traded Derivatives	AMRS	ISE MERCURY OPTIONS	MLPFS & MLPro
Exchange Traded Derivatives	AMRS	MIAX PEARL OPTIONS	MLPFS & MLPro
Exchange Traded Derivatives	AMRS	Minneapolis Grain Exchange	Third Party Broker

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Exchange Traded Derivatives	AMRS	NASDAQ OMX BX Options	MLPFS
Exchange Traded Derivatives	AMRS	NASDAQ OMX FUTURES (NFX)	MLPFS
Exchange Traded Derivatives	AMRS	NASDAQ OMX PHLX	MLPFS
Exchange Traded Derivatives	AMRS	NASDAQ Options Market	MLPFS
Exchange Traded Derivatives	AMRS	New York Mercantile Exchange	MLPFS
Exchange Traded Derivatives	AMRS	Nodal Exchange	MLPFS
Exchange Traded Derivatives	AMRS	NYSE ARCA	MLPFS
Exchange Traded Derivatives	AMRS	NYSE MKT LLC	MLPFS
Exchange Traded Derivatives	AMRS	ONEC	MLPFS
Exchange Traded Derivatives	AMRS	Ice Cleared Fx *Lic	BANA SF
Exchange Traded Derivatives	APAC	Australian Securities Exc *Lic	MLAF
Exchange Traded Derivatives	APAC	Australian Securities Exchange Limited (ASX)	MLEA
Exchange Traded Derivatives	APAC	New Zealand Fut & Opt Exchange	MLAF
Exchange Traded Derivatives	APAC	China Financial Futures Exchange (CFFEX)	Third Party Broker
Exchange Traded Derivatives	APAC	Hong Kong Exchanges & Clrg Ltd	ML Far East Ltd
Exchange Traded Derivatives	APAC	Hong Kong Exchanges and Clearing Limited (HKEx)	ML Far East Ltd
Exchange Traded Derivatives	APAC	Bombay Stock Exchange *Lic	DSP Merrill Lynch Ltd
Exchange Traded Derivatives	APAC	National Stock Exch Of India (Nse)	DSP Merrill Lynch Ltd
Exchange Traded Derivatives	APAC	Bombay Stock Exchange (Bse)	DSP Merrill Lynch Ltd
Exchange Traded Derivatives	APAC	National Stock Exch Of India (Nse)	DSP Merrill Lynch Ltd

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Exchange Traded Derivatives	APAC	Osaka Exchange	ML (Japan) Securities Co Ltd
Exchange Traded Derivatives	APAC	Osaka Securities Exchange (OSE)	ML (Japan) Securities Co Ltd
Exchange Traded Derivatives	APAC	Tocom Tokyo Commodity Exchange	Third Party Broker
Exchange Traded Derivatives	APAC	Tokyo Financial Exchange (TFX)	ML (Japan) Securities Co Ltd
Exchange Traded Derivatives	APAC	Japan Exchange Group (JPX)	ML (Japan) Securities Co Ltd
Exchange Traded Derivatives	APAC	Korea Stock Exchange	MLID SEOUL
Exchange Traded Derivatives	APAC	Korean Futures Exchange	MLID SEOUL
Exchange Traded Derivatives	APAC	Korean Futures Exchange	Third Party Broker
Exchange Traded Derivatives	APAC	Korean Futures Exchange	Third Party Broker
Exchange Traded Derivatives	APAC	Bursa Malaysia Derivatives	Third Party Broker
Exchange Traded Derivatives	APAC	Singapore Exch Derivatives Trdng Ltd (Sgx Dt)	MLS
Exchange Traded Derivatives	APAC	Taiwan Futures Exchange	Third Party Broker
Exchange Traded Derivatives	APAC	Taiwan Futures Exchange	Third Party Broker
Exchange Traded Derivatives	APAC	Taiwan Futures Exchange	Third Party Broker
Exchange Traded Derivatives	APAC	Taiwan Futures Exchange	MLST
Exchange Traded Derivatives	APAC	Taiwan Futures Exchange	Third Party Broker
Exchange Traded Derivatives	APAC	Taiwan Stock Exchange	MLST
Exchange Traded Derivatives	APAC	Thailand Futures Exchange (TFEX)	Third Party Broker
Exchange Traded Derivatives	EMEA	Euronext Brussels	MLI
Exchange Traded Derivatives	EMEA	NASDAQ OMX Nordic - Copenhagen	MLI

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Exchange Traded Derivatives	EMEA	Euronext Paris (Matif)	MLI
Exchange Traded Derivatives	EMEA	Euronext Paris (Monep)	MLI
Exchange Traded Derivatives	EMEA	Euronext Paris (Monep)	MLI
Exchange Traded Derivatives	EMEA	Eurex	MLI
Exchange Traded Derivatives	EMEA	Eurex	MLI
Exchange Traded Derivatives	EMEA	Eurex - Dutch Securities	MLI
Exchange Traded Derivatives	EMEA	Eurex - French Securities	MLI
Exchange Traded Derivatives	EMEA	Eurex - Italian Securities	MLI
Exchange Traded Derivatives	EMEA	Eurex - Spain	MLI
Exchange Traded Derivatives	EMEA	Eurex Flex	MLI
Exchange Traded Derivatives	EMEA	European Energy Exchange (EEX) (licensed)	MLI
Exchange Traded Derivatives	EMEA	Athens Derivatives Exchange	Third Party Broker
Exchange Traded Derivatives	EMEA	Athens Stock Exchange	Third Party Broker
Exchange Traded Derivatives	EMEA	Athens Stock Exchange	Third Party Broker
Exchange Traded Derivatives	EMEA	Tel Aviv Stock Exchange *Lic	MLI
Exchange Traded Derivatives	EMEA	Tel-Aviv Stock Exchange (TASE)	MLI
Exchange Traded Derivatives	EMEA	IDEM	MLI
Exchange Traded Derivatives	EMEA	Italian Derivatives Market (IDEM)	MLI
Exchange Traded Derivatives	EMEA	NASDAQ OMX Commodities *LIC*	MLI
Exchange Traded Derivatives	EMEA	Warsaw Stock Exchange	Third Party Broker

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Exchange Traded Derivatives	EMEA	Warsaw Stock Exchange *Lic	Third Party Broker
Exchange Traded Derivatives	EMEA	Euronext Lisbon	MLI
Exchange Traded Derivatives	EMEA	Moscow Exchange	OOO Merrill Lynch Securities
Exchange Traded Derivatives	EMEA	Johannesburg Stock Exch *Lic	ML South Africa Pty Ltd
Exchange Traded Derivatives	EMEA	Meff - Renta Variable Sa	MLI
Exchange Traded Derivatives	EMEA	MEFF Renta Variable (MEFF-RV)	MLI
Exchange Traded Derivatives	EMEA	IMAREX *LIC (NOS)	MLI
Exchange Traded Derivatives	EMEA	NASDAQ OMX Equity Options (licensed)	MLI
Exchange Traded Derivatives	EMEA	NASDAQ OMX Nordic *LIC	MLI
Exchange Traded Derivatives	EMEA	Euronext Amsterdam	MLI
Exchange Traded Derivatives	EMEA	Euronext Amsterdam	MLI
Exchange Traded Derivatives	EMEA	ICE ENDEX *LIC	MLI
Exchange Traded Derivatives	EMEA	Borsa Istanbul *Lic*	MLYD
Exchange Traded Derivatives	EMEA	Ice Futures Europe	MLI
Exchange Traded Derivatives	EMEA	Ice Futures Europe	MLPFS
Exchange Traded Derivatives	EMEA	London Metal Exchange	MLI
Exchange Traded Derivatives	EMEA	LSE Derivatives Market (Turquoise/ EDX)	MLI
Exchange Traded Derivatives	EMEA	LSE Derivatives Market (Turquoise/ EDX)	MLI
Exchange Traded Derivatives	EMEA	ICE Futures US (Energy Division)	MLI
Exchange Traded Derivatives	EMEA	ICE FINANCIALS	MLI

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Exchange Traded Derivatives	EMEA	ICE - SOFT COMMODITIES	MLI
Exchange Traded Derivatives	EMEA	ICE EQUITY OPTIONS EXCHANGE	MLI
Exchange Traded Derivatives	EMEA	LSE Curve Global	MLI

Asset class	Region	Execution venue
FICC products, including OTC derivatives, structured and securitised products, structured notes (excluding exchange traded derivatives)	EMEA	BofAML legal entities that are MiFID Investment Firms, including when acting in its capacity as a systematic internaliser

If BofAML has an outage in a material market, there is a process in place to notify clients immediately that we are unable to access that particular venue.

Please note a list of Equity exchanges accessed via third party brokers is available upon request.