LIST OF EXECUTION VENUES

APPENDIX 1

This document is an Appendix to the J.P. Morgan Execution Policy, which is available here:

J.P. Morgan (including its affiliate entities) uses the following execution venues when obtaining best execution as defined by MiFID II and the FCA Rules. This list is not exhaustive and will be subject to change as described in the Execution Policy and will be re-issued from time to time. J.P. Morgan may also use other venues where it deems appropriate in accordance with the Execution Policy. Where J.P. Morgan acts as an execution venue it will have regard for the wider market in the relevant product, taking into account information source reasonably available, including but not limited to, exchanges, brokers/dealers and multi-lateral trading facilities to meet its best execution obligation.

Asset class	Region	Execution venue
Equities	EMEA	Please refer to Appendix A of the <u>J.P. Morgan EMEA Cash Equities:</u> <u>Execution Policy</u> .

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Asset class	Region	Execution venue
		Athens Derivatives Exchange
		Borsa Italiana: IDEM
		Borsa Istanbul
		Bolsas y Mercados Espanoles: MEFF
		Dubai Gold and Commodities Exchange
		Dubai Mercantile Exchange
		EDX London
		Eurex
		Eurex Zurich
		European Climate Exchange
		European Energy Exchange
		European Energy Derivatives Exchange (ENDEX)
		EPEX SpoT
		Euronext:, Paris, Amsterdam, Brussels,
		International Maritime Exchange (IMAREX)
Exchange Traded		ICE Futures Abu Dhabi
Derivatives and	EMEA	ICE Endex
Commodities		ICE Futures Europe
		Global Coal
		Gulf Mercantile Exchange Limited
		Johannesburg Stock Exchange
		London Metal Exchange
		NASDAQ OMX Commodities
		NASDAQ OMX Stockholm
		NASDAQ OMX Stockholm AB Copenhagen
		NASDAQ OMX Stockholm AB Helsinki
		OMIP
		OTOB – Wiener Boerse
		Oslo Stock Exchange
		Powernext Energy Exchange
		Turkdex
		South African Futures Exchange
		Warsaw Stock Exchange

Asset Class	Region	Execution venue
		American Stock Exchange (Options)
		A Bolsa do Brasil
		Bolsa de Mercadorias & Futuros
		Boston Option Exchange
		CBOE Futures Exchange
		Chicago Board of Trade
		Chicago Climate Futures Exchange
		Chicago Futures Exchange
		Chicago Mercantile Exchange
		Commodity Exchange
		Dubai Mercantile Exchange (NYMEX)
		Electronic Liquidity Exchange
		ICE Futures US
		ICE Futures US (Energy Products)
		International Securities Exchange
		Kansas City Board of Trade
	North America and Latin	
	America	Mercadorias & Futuros
		Mercado a Termino de Rosario
		Minneapolis Grain Exchange
		Montreal Exchange
		NASDAQ Options Exchange
		NYSE Liffe
		New York Stock Exchange (Options)
		New York Board of Trade
		New York Mercantile Exchange
Exchange		Nodal Exchange
Traded Derivatives and		Pacific Stock Exchange Philadelphia Stock Exchange
Commodities		Philadelphia Board of Trade
		Toronto Stock Exchange
		Winnipeg Commodity Exchange
		US Futures Exchange
		Xtreame
		Australian Securities Exchange
	Asia Pacific	Bursa Malaysia Derivatives Berhad
		Central Japan Commodity Exchange
		China Financial Futures Exchange
		Dalian Commodity Exchange
		Guangzhou Futures Exchange
		Hong Kong Exchange
		Joint Asia Derivatives Exchange
		Korean Exchange
		National Stock Exchange of India
		New Zealand Futures Exchange
		Osaka Securities Exchange
		Shanghai International Energy Exchange
		Singapore Exchange
		Sydney Futures Exchange
		Taiwan Futures Exchange
		Thailand Futures Exchange
		Tokyo Commodity Exchange
		Tokyo Financial Exchange
		Tokyo Grain Exchange
		Tokyo Stock Exchange.
		Zhengzhou Commodity Exchange

Asset class	Region	Execution venue
Agency Securities Finance: lending of securities and investment of cash collateral	ALL	EquiLend Europe Limited
	EMEA and North America	BGC Brokers LP – OTF • TradeWeb Europe Limited • Entity: Tullett Prebon (Europe) Limited, Venue Name: Tullett Prebon (Europe) • Entity: Tullett Prebon Europe Limited, Venue Name:Tullett Prebon Europe OTF

Asset class	Region	Execution venue
Fixed income bonds and notes	ALL	J.P. Morgan*

Asset class	Region	Execution venue
Foreign Exchange	ALL	J.P. Morgan*

Asset class	Region	Execution venue
OTC derivatives, structured and securitised products and notes	ALL	J.P. Morgan*

^{*}J.P. Morgan refers to the use of entities within the J.P. Morgan group (being J.P. Morgan Chase & Co. and its subsidiaries and affiliates worldwide) including but not limited to J.P. Morgan Europe Limited, J.P. Morgan Chase Bank, National Association London branch, J.P. Morgan Limited, J.P. Morgan Securities plc and J.P. Morgan Markets Limited and their respective EU branches and affiliates.