LIST OF EXECUTION VENUES

APPENDIX 1

J.P.Morgan

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

The list of execution venues is not exhaustive and subject to change as described in the Execution Policy. J.P. Morgan may also use other execution 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.

List of execution venues for J.P. Morgan Mansart Management Limited:

Please refer to Annex A of the J.P. Morgan Mansart Execution Policy

List of execution venues used by J.P. Morgan as defined in the Execution Policy with the exception of J.P. Morgan Mansart Management Limited:

Asset class	Region	Execution venue
Equities	EMEA	Please refer to Annex A of the <u>J.P. Morgan EMEA Cash Equities:</u> <u>Execution Policy</u> .
Asset class	Region	Execution venue
		APX-Endex
		Athens Derivatives Exchange
		Bolsas y Mercados Espanoles: MEFF
		Borsa Italia: IDEM
		Borsa Istanbul
	EMEA	Dubai Gold and Commodities Exchange
		Eurex Exchange
		Dubai Mercantile Exchange (NYMEX)
		Euronext: London, Paris, Amsterdam, Brussels, Lisbon
		European Climate Exchange
Exchange		European Energy Derivatives Exchange (ICE ENDEX)
Traded		European Energy Exchange
Derivatives		Global Coal
and Commodities		ICE Futures Europe
Commodities		International Maritime Exchange (IMAREX)
		London Metal Exchange
		LSE Derivatives
		NASDAQ OMX
		NEX OMIP
		Oslo Stock Exchange Powernext Energy Exchange
		Johannesburg Stock Exchange
		Warsaw Stock Exchange

Asset Class	Region	Execution venue
Exchange		American Stock Exchange (Options)
Traded		Bolsa de Mercadorias & Futuros

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Derivatives and		Boston Option Exchange
Commodities		Chicago Board Options Exchange
		Chicago Board of Trade
		Chicago Climate Futures Exchange
	North America and	Chicago Futures Exchange
	Latin America	Chicago Mercantile Exchange
		Commodity Exchange
		Electronic Liquidity Exchange ICE Futures US
		ICE Natural Gas Exchange
		International Securities Exchange
		Kansas City Board of Trade
		Mexican Derivatives Exchange
		Mercadorias & Futuros
		Mercado a Termino de Rosario
		Minneapolis Grain Exchange
		Montreal Exchange
		Nasdaq Futures Exchange
		NASDAQ Options Exchange
		NYSE Liffe
		New York Stock Exchange (Options)
		New York Board of Trade (ICE US)
		New York Mercantile Exchange (COMEX Divisions) (CME Group)
		One Chicago
		Pacific Stock Exchange
		Philadelphia Stock Exchange
		Philadelphia Board of Trade
		Toronto Stock Exchange
		Winnipeg Commodity Exchange
		US Futures Exchange
		Xtreame
		Australian Securities Exchange
		Bursa Malaysia Derivatives Exchange
		Central Japan Commodity Exchange
		China Financial Futures Exchange
		Dalian Commodity Exchange
		Hong Kong Exchange
		ICE Futures Singapore
		Japan Exchange
		Joint Asia Derivatives Exchange
		Korea Exchange
		National Stock Exchange of India
		New Zealand Futures Exchange
	A : D :	Osaka Securities Exchange
	Asia Pacific	SGE Mainboard (SGE)
		Shanghai Gold Exchange International Board (SGEI)
		Shanghai International Energy Exchange (INE)
		Shanghai Futures Exchange
		Singapore Exchange Derivatives
		Sydney Futures Exchange
		Taiwan Futures Exchange
		Thailand Futures Exchange
		Tokyo Commodity Exchange
		Tokyo Financial Exchange
		Tokyo Grain Exchange
		Tokyo Stock Exchange.
		Zhengzhou Commodity Exchange
		Energened Commodity Exchange

Asset class	Region	Execution venue
Agent lending: 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.