





Disclosure Objective

Pursuant to its obligations under RTS28 of MiFID II, GLG Partners LP ("Man GLG") is required to provide an annual report summarising our analysis and conclusions drawn from monitoring the correlation between both order(s) placed with, or transmitted to a broker for execution; and the execution quality received by that broker during the previous calendar year (the, "Review Period").

Execution Methodology and Research

Man GLG has a dedicated Execution Research team that evaluates new trading methodologies and opportunities, inclusive of available liquidity sources, brokers and execution venues against those currently utilised to ensure that Man GLG continues to provide its clients with best execution.

As part of its on-going testing and experimentation the Execution Research team monitors a number of conditions related to market microstructure and execution including, but not limited to, liquidity, the performance of brokers and broker services.

Man GLG utilises machine learning routing logic, internally called 'Adaptive Intelligent Routing', to help us evaluate venue and liquidity choices. This logic is designed to help ensure order flow is allocated to the optimum execution algorithm considering the execution factors specific to that asset class at that time. The deployment of Adaptive Intelligent Routing seeks to allocate eligible flows to brokers and execution algorithms in an automated and data-driven manner, based on performance against an agreed benchmark.

From time to time Execution Research will conduct a thematic review of the execution expectations of certain Man GLG strategies and provide analysis on their strategy execution quality to the Man GLG Portfolio Managers.

Man GLG is in the process of determining the applicability and appropriateness of utilising information made available by one or more consolidated tape providers, as defined under Article 65 of Directive 2014/65/EU, in its ongoing assessment of best execution. Analysis and evaluation of the information provided in RTS 27 reports is on-going.



Central Monitoring Team

In addition to the Execution Research and Trading Team, Man GLG utilises a dedicated Central Monitoring Team ("CMT") for the purposes of conducting day to day analysis of its execution performance across client orders. The CMT will use a variety of metrics in their on-going assessment of best execution including the characteristics of the order, the execution venue, and the applied weighting of the execution factors. The CMT will provide a summary of their findings and relevant recommendations to the Man GLG Best Execution Committee.

Broker Selection

When selecting a broker Man GLG may consider the following factors:

- accurate and timely execution, settlement, clearance and error/dispute resolution processes;
- · reputation, financial strength and stability;
- venue access and block trading capabilities;
- analytics and Execution Research capabilities,
- willingness to execute difficult transactions; and
- willingness and ability to locate and/or commit capital to complete trades.

As a subsidiary of Man Group PLC ("Man"), Man GLG employees are subject to its Global Conflicts of Interest Policy and the requirement to identify and manage conflicts of interest and, where management is not possible, to disclose the conflict to its clients. Such conflicts may include close links or execution arrangements which may impact Man GLG's ability to achieve best execution for its client accounts.

From time to time minor non-monetary benefits may be received in the form of gifts and entertainment by Man GLG employees from brokers and venues. However, all Man GLG employees are subject to the Man Global Gifts and Entertainment Policy that imposes strict reporting, monitoring, limits and pre-approval requirements with regard to any such receipt.

Man GLG does not engage in arrangements for payments for order flow with any broker or other third party entity.



Execution Factors

When executing an order on behalf of a client, Man GLG will take all sufficient steps to execute the order in a manner designed to obtain the best possible results for the client on a consistent basis.

Man GLG will consider the execution factors that they determine to be applicable and appropriate for a specific asset class when handling an order on behalf of one or more client accounts. The ranking of importance and appropriateness of each of the execution factors may differ on an order-by-order basis.

The execution factors include, but are not limited to:

- the execution price including execution cost as applicable;
- speed and/or likelihood of execution;
- speed and/or likelihood of settlement;
- the impact on prices displayed in the market;
- the availability of price improvement (to the extent applicable);
- an instruments' characteristics including liquidity;
- counterparty risk; and
- any other considerations as applicable for specific orders e.g. technology and trading systems.



Importance of Execution Factors

Man GLG will take into account the following criteria for determining the relevance and importance of each execution factor:

- client including the regulatory categorisation of the client (though it should be noted that during the Review Period Man GLG did not handle orders on behalf of retail clients, as defined within MiFID);
- current market and liquidity;
- characteristics of the client order; and
- availability and access to liquidity sources.

Where appropriate, precedence will be given to the execution price as the primary execution factor in determining when, with whom and how to execute a client order. However, price may not always be the primary factor. For example, when transparency and liquidity diminish, the importance of other execution factors such as likelihood and timeliness of settlement may increase. This is especially true for certain OTC and fixed income instruments where Man GLG may have access to only one quote. For very illiquid instruments with little to no price transparency Man GLG may also consider other execution factors that it deems relevant and valuable.



Best Execution Committee

Man GLG has established a Best Execution Committee, comprised of senior investment, trading, compliance and risk employees, which is responsible for ensuring that the execution team meet the obligations of the Investment Manager to achieve best execution on behalf of their Client Accounts.

The Best Execution Committee convenes on a quarterly basis to review a variety of metrics including but not necessarily limited to:

- broker usage;
- broker performance;
- execution performance; and
- trader compliance with order raising best practise

Decisions made by the Best Execution Committee will inform changes to, among other processes:

- usage of brokers and execution venues;
- the types of measurements performed to analyse broker performance;
- due diligence performed on brokers and execution venues; and
- consideration of new brokers and execution venues.

Summary

Man GLG can confirm that throughout the 2019 calendar year, it considers that it has taken all sufficient steps to meet its obligation to achieve best execution for its clients on a consistent basis.

In particular it considers that:

- it has adopted a comprehensive policy and monitoring framework to support the on-going requirement to deliver best execution for its clients;
- the execution quality and performance received from brokers is in-line with its expectations;
- it has maintained sufficient relationships with execution venues and brokers to service its trading activities, with appropriate consideration given to contingency; and
- the commission paid to brokers for their execution services was reasonable and in-line, or better, than the standard market rates.



Direct and Indirect Execution Reports

The following tables indicate for each class of financial instrument, as specified within MiFID II, the top 5 execution venues for (i) direct – execution of orders by Man GLG directly as a member or participant of a trading venue, or with a systematic internaliser, market marker, liquidity provider, or direct counterparty (such as in OTC markets) and; (ii) indirect – transmission or placing of orders by Man GLG with another investment firm for execution by the other firm (e.g. a broker). Where more than one separate legal entity within the same group structure has been named within the top 5 list, further legal entity names have been added to provide a more complete picture.

For the avoidance of doubt, in the context of its portfolio management activities, Man GLG treats decisions to deal which it makes on behalf of its clients as constituting client orders for the purposes of this report.

When trading directly, whether with a Systematic Internaliser, Multilateral Trading Facility or Organised Trading Facility (as defined in MiFID), due to factors beyond its control, Man GLG may not have complete information on the exact proportion of passive and aggressive orders executed across all of the execution venues it used in the previous year. This is an industry-wide issue and the Man GLG will continue to monitor relevant developments and the availability of such data.

Man GLG has published its direct and indirect execution reports based on its execution of financial instruments globally, regardless of the jurisdiction of their listing or execution. We believe that this global view provides a more holistic understanding of the execution venues upon which it relies. However, for the Equities asset class, separate global and European-specific tables have been produced. The global table includes all executions, including in European Issuer ISINs, but does not delineate by liquidity banding. The European table does delineate by liquidity banding as ESMA tick size banding is only applicable to European Issuer ISINs.

Direct Execution



Credit Derivatives Fewer than 1 trade per day over the year on average? - No								
Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of	Proportion of orders executed as percentage of	Percentage of	Percentage of aggressive	Percentage of		
		total in that class		passive orders	orders	directed orders		
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	32.54%	21.65%					
BNP Paribas SA	R0MUWSFPU8MPRO8K5P83	14.69%	12.20%					
Citigroup Global Markets Limited	XKZZ2JZF41MRHTR1V493	11.13%	17.87%					
Barclays Bank PLC	G5GSEF7VJP5I7OUK5573	10.17%	16.49%					
Goldman Sachs International	W22LROWP2IHZNBB6K528	6.74%	9.28%					

Debt Instruments	Fewer than 1 trade per day ove	ewer than 1 trade per day over the year on average? - No						
Top 5 execution brokers ranked in terms of	LEI	Proportion of volume	Proportion of orders		Percentage of			
trading volumes		traded as a percentage of	executed as percentage of	Percentage of	aggressive	Percentage of		
		total in that class	total in that class	passive orders	orders	directed orders		
Tradeweb Europe Limited	TREU	39.21%	22.36%					
BNY Mellon Capital Markets EMEA Limited	213800O5FBGOWU89LN14	7.92%	0.65%					
Bloomberg Trading Facility Limited	BMTF	7.26%	6.73%					
UBS AG	BFM8T61CT2L1QCEMIK50	6.74%	2.13%					
Citigroup Global Markets Limited	XKZZ2JZF41MRHTR1V493	4.83%	6.04%					





Equity - Global Issuer Fewer than 1 trade per day over the year on average? - No								
Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	18.65%	5.06%	0.00.0	ugg. coen c c. uc. c	u 00.00 0. u.o. 0		
UBS AG	BFM8T61CT2L1QCEMIK50	18.51%	17.06%					
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	15.64%	19.80%					
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	13.48%	19.84%					
Goldman Sachs International	W22LROWP2IHZNBB6K528	8.97%	16.26%					

Equity - European Issuer	Fewer than 1 trade per day over the year on average? - No								
Liquidity Banding	Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
	UBS AG	BFM8T61CT2L1QCEMIK50	19.13%	17.32%					
	Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	18.81%	5.15%					
Band 5 & 6	Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	15.33%	20.01%					
	J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	13.71%	20.01%					
	Goldman Sachs International	W22LROWP2IHZNBB6K528	9.16%	16.71%					
	Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	20.16%	19.80%					
	Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	13.98%	4.72%					
Band 3 & 4	UBS AG	BFM8T61CT2L1QCEMIK50	13.40%	17.32%					
	J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	12.62%	19.48%					
	Investec Bank PLC	84S0VF8TSMH0T6D4K848	8.07%	1.45%					
	J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	30.27%	48.00%					
	Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	28.84%	13.78%					
Band 1 & 2	UBS AG	BFM8T61CT2L1QCEMIK50	9.96%	18.22%					
	Investec Bank PLC	84S0VF8TSMH0T6D4K848	6.76%	2.22%					
	Goldman Sachs International	W22LROWP2IHZNBB6K528	6.06%	7.56%					

Direct Execution



Equity Derivatives Fewer than 1 trade per day over the year on average? - No								
Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of	Proportion of orders executed as percentage of	Percentage of	Percentage of aggressive	Percentage of		
		total in that class	total in that class	passive orders	orders	directed orders		
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	30.56%	20.33%					
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	24.22%	40.24%					
Credit Suisse AG	ANGGYXNX0JLX3X63JN86	22.90%	15.88%					
Goldman Sachs International	W22LROWP2IHZNBB6K528	18.27%	20.06%					
HSBC Bank PLC	MP6I5ZYZBEU3UXPYFY54	1.92%	1.19%					

Foreign Exchange Derivatives Fewer than 1 trade per day over the year on average? - No								
Top 5 execution brokers ranked in terms of	LEI	Proportion of volume	Proportion of orders		Percentage of			
trading volumes		traded as a percentage of	executed as percentage of	Percentage of	aggressive	Percentage of		
		total in that class	total in that class	passive orders	orders	directed orders		
FX Connect - MTF - RFQ	MFXR	91.60%	97.56%					
Bloomberg Trading Facility Limited	BMTF	8.04%	1.33%					
FX Connect - MTF - Allocations	MFXA	0.28%	0.73%					
HSBC Bank PLC	MP6I5ZYZBEU3UXPYFY54	0.01%	0.07%					
UBS AG	BFM8T61CT2L1QCEMIK50	0.01%	0.07%					

Direct Execution



Interest Rate Derivatives Fewer than 1 trade per day over the year on average? - Yes								
Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders		
Danske Bank A/S	MAES062Z21O4RZ2U7M96	77.46%	4.00%	passive orders	orders	un ecteu oruers		
JPMorgan Chase Bank, National Association	7H6GLXDRUGQFU57RNE97	11.74%	12.00%					
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	7.70%	68.00%					
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	2.88%	8.00%					
GFI Securities Ltd	GUNTJCA81C7IHNBGI392	0.21%	8.00%					

Other Instruments	Fewer than 1 trade per day ove	ver than 1 trade per day over the year on average? - Yes						
Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of	Proportion of orders executed as percentage of	Percentage of	Percentage of aggressive	Percentage of		
		total in that class	total in that class	passive orders	orders	directed orders		
Goldman Sachs International	W22LROWP2IHZNBB6K528	100.00%	100.00%					





Securitized Derivatives	Fewer than 1 trade per day over	er than 1 trade per day over the year on average? - Yes						
Top 5 execution brokers ranked in terms of	LEI	Proportion of volume	Proportion of orders		Percentage of			
trading volumes		traded as a percentage of	executed as percentage of	Percentage of	aggressive	Percentage of		
		total in that class	total in that class	passive orders	orders	directed orders		
Winterflood Securities Ltd	8BRUP6V1DX3PIG2R0745	100.00%	100.00%					

Structured Finance Instruments Fewer than 1 trade per day over the year on average? - Yes								
Top 5 execution brokers ranked in terms of LEI Proportion of volume Proportion of orders Percentage of								
trading volumes	LEI	•	executed as percentage of	Percentage of	aggressive	Percentage of		
trading volumes		total in that class	total in that class	passive orders	orders	directed orders		
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	45.61%	48.28%					
Merrill Lynch International	GGDZP1UYGU9STUHRDP48	17.37%	13.79%					
Barclays Capital Securities Limited	K9WDOH4D2PYBSLSOB484	8.22%	6.90%					
Jefferies International Ltd	S5THZMDUJCTQZBTRVI98	8.11%	6.90%					
Barclays Bank PLC	G5GSEF7VJP5I7OUK5573	7.41%	3.45%					
Citigroup Global Markets Limited	XKZZ2JZF41MRHTR1V493	6.69%	13.79%					





Credit Derivatives	Fewer than 1 trade per day ove	er the year on average? - Ye	S			
Top 5 execution brokers ranked in terms of					Percentage of	
trading volumes		Proportion of volume traded as a	Proportion of orders executed as	Percentage of	aggressive	Percentage of
	LEI	percentage of total in that class	percentage of total in that class	passive orders	orders	directed orders
GFI Securities Ltd	GUNTJCA81C7IHNBGI392	61.69%	68.24%	N/A	N/A	N/A
Goldman Sachs International	W22LROWP2IHZNBB6K528	34.43%	25.00%	N/A	N/A	N/A
Morgan Stanley & Co. LLC	9R7GPTSO7KV3UQJZQ078	2.17%	3.53%	N/A	N/A	N/A
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	1.22%	1.47%	N/A	N/A	N/A
Credit Suisse International	E58DKGMJYYYJLN8C3868	0.36%	1.18%	N/A	N/A	N/A
Goldman Sachs & Co. LLC	FOR8UP27PHTHYVLBNG30	0.08%	0.29%	N/A	N/A	N/A
Credit Suisse Securities (USA) LLC	1V8Y6QCX6YMJ2OELII46	0.05%	0.29%	N/A	N/A	N/A

Equity Derivatives Fewer than 1 trade per day over the year on average? - No								
Top 5 execution brokers ranked in terms of					Percentage of			
trading volumes		Proportion of volume traded as a	Proportion of orders executed as	Percentage of	aggressive	Percentage of		
	LEI	percentage of total in that class	percentage of total in that class	passive orders	orders	directed orders		
Credit Suisse International	E58DKGMJYYYJLN8C3868	37.97%	53.44%	N/A	N/A	N/A		
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	22.86%	17.75%	N/A	N/A	N/A		
Goldman Sachs International	W22LROWP2IHZNBB6K528	12.00%	10.56%	N/A	N/A	N/A		
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	11.07%	1.65%	N/A	N/A	N/A		
XBZ Ltd	213800YZ3P59EWY75X78	8.17%	0.86%	N/A	N/A	N/A		

Exchange Traded Products Fewer than 1 trade per day over the year on average? - Yes								
Top 5 execution brokers ranked in terms of								
trading volumes		Proportion of volume traded as a	Proportion of orders executed as	Percentage of	aggressive	Percentage of		
	LEI	percentage of total in that class	percentage of total in that class	passive orders	orders	directed orders		
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	48.10%	35.15%	N/A	N/A	N/A		
Makor Securities London Ltd	549300IQTYC8XXQ6C338	25.29%	20.79%	N/A	N/A	N/A		
Nplus1 Singer Capital Markets Ltd	213800ITO7QMNQ9SFG53	7.16%	0.99%	N/A	N/A	N/A		
Jefferies International Ltd	S5THZMDUJCTQZBTRVI98	4.21%	5.45%	N/A	N/A	N/A		
Intermonte SIM SpA	YMUU1WGHJKORF9E36l98	3.80%	1.49%	N/A	N/A	N/A		





Equity - Global Issuer Fewer than 1 trade per day over the year on average? - No								
Top 5 execution brokers ranked in terms of					Percentage of			
trading volumes		Proportion of volume traded as a	Proportion of orders executed as	Percentage of	aggressive	Percentage of		
	LEI	percentage of total in that class	percentage of total in that class	passive orders	orders	directed orders		
ICAP Securities Ltd	213800NMEZS3MD2IUP33	9.89%	0.44%	N/A	N/A	N/A		
Merrill Lynch International	GGDZP1UYGU9STUHRDP48	8.14%	4.91%	N/A	N/A	N/A		
Goldman Sachs International	W22LROWP2IHZNBB6K528	7.15%	11.81%	N/A	N/A	N/A		
Exane SA	969500UP76J52A9OXU27	6.93%	7.44%	N/A	N/A	N/A		
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	4.82%	19.69%	N/A	N/A	N/A		

Equity - European Issuer	Fewer than 1 trade per day ove	r the year on average? - No					
Liquidity Banding	Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	ICAP Securities Ltd	213800NMEZS3MD2IUP33	14.37%	0.72%	N/A	N/A	N/A
	Exane SA	969500UP76J52A9OXU27	10.23%	11.09%	N/A	N/A	N/A
Band 5 & 6	Goldman Sachs International	W22LROWP2IHZNBB6K528	9.52%	12.99%	N/A	N/A	N/A
	Jefferies International Ltd	S5THZMDUJCTQZBTRVI98	6.19%	6.11%	N/A	N/A	N/A
	Merrill Lynch International	GGDZP1UYGU9STUHRDP48	5.26%	4.67%	N/A	N/A	N/A
	Liquidnet Europe Ltd	213800ZIRB79BE5XQM68	10.22%	5.22%	N/A	N/A	N/A
	Investment Technology Group Ltd	213800EEC95PRUCEUP63	8.62%	3.90%	N/A	N/A	N/A
Band 3 & 4	ICAP Securities Ltd	213800NMEZS3MD2IUP33	7.02%	0.21%	N/A	N/A	N/A
	Exane SA	969500UP76J52A9OXU27	6.20%	10.45%	N/A	N/A	N/A
	Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	6.10%	9.35%	N/A	N/A	N/A
Band 1 & 2	Unlu Menkul Degerler AS	7890000CQSASR7KQSJ59	12.32%	15.34%	N/A	N/A	N/A
	Liberum Capital Ltd	213800U6KUF87S1KCC03	11.92%	4.85%	N/A	N/A	N/A
	Morgan Stanley & Co. LLC	9R7GPTSO7KV3UQJZQ078	11.83%	1.88%	N/A	N/A	N/A
	Gedik Yatirim Menkul Degerler AS	789000JRESRXCE83YQ90	11.11%	10.33%	N/A	N/A	N/A
	Numis Securities Limited	213800P3F4RT97WDSX47	7.59%	3.13%	N/A	N/A	N/A





Securities Financing Transaction - Repo	Fewer than 1 trade per day over the year on average? - No						
Top 5 execution brokers ranked in terms of trading volumes	LEI	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
JPMorgan Chase Bank, National Association	7H6GLXDRUGQFU57RNE97	36.14%	12.53%	N/A	N/A	N/A	
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	23.00%	20.48%	N/A	N/A	N/A	
Nomura International PLC	DGQCSV2PHVF7l2743539	20.15%	15.42%	N/A	N/A	N/A	
Barclays Capital Securities Limited	K9WDOH4D2PYBSLSOB484	16.18%	47.23%	N/A	N/A	N/A	
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	4.52%	4.34%	N/A	N/A	N/A	

Securities Financing Transaction - Stock Borrow Fewer than 1 trade per day over the year on average? -							
Top 5 execution brokers ranked in terms of trading volumes							
		Proportion of volume	Proportion of orders	Percentage	Percentage	Percentage	
		traded as a percentage	executed as percentage	of passive	of aggressive	of directed	
	LEI	of total in that class	of total in that class	orders	orders	orders	
Credit Suisse AG	ANGGYXNX0JLX3X63JN86	40.59%		N/A	N/A	N/A	
JP Morgan Securities PLC	K6Q0W1PS1L1O4lQL9C32	25.99%		N/A	N/A	N/A	
Morgan Stanley & Co. International plc	4PQUHN3JPFGFNF3BB653	12.72%		N/A	N/A	N/A	
Goldman Sachs International	W22LROWP2IHZNBB6K528	10.17%		N/A	N/A	N/A	
Credit Suisse Securities (USA) LLC	1V8Y6QCX6YMJ2OELII46	5.25%		N/A	N/A	N/A	
Morgan Stanley & Co. LLC	9R7GPTSO7KV3UQJZQ078	2.15%		N/A	N/A	N/A	
Goldman Sachs & Co	FOR8UP27PHTHYVLBNG30	1.35%		N/A	N/A	N/A	
J.P. Morgan Securities LLC	ZBUT11V806EZRVTWT807	1.00%		N/A	N/A	N/A	
Barclays Bank PLC	G5GSEF7VJP5I7OUK5573	0.64%		N/A	N/A	N/A	



This information is communicated and/or distributed by the relevant GLG or Man entity identified below (collectively the "Company") subject to the following conditions and restrictions.

Opinions expressed are those of the author and may not be shared by all personnel of Man Group plc ('Man'). These opinions are subject to change without notice, are for information purposes only and do not constitute an offer or invitation to make an investment in any financial instrument or in any product to which the Company and/or its affiliates provides investment advisory or any other financial services. Any organisations, financial instrument or products described in this material are mentioned for reference purposes only which should not be considered a recommendation for their purchase or sale. Neither the Company nor the authors shall be liable to any person for any action taken on the basis of the information provided.

The Company believes the content to be accurate. However accuracy is not warranted or guaranteed. The Company does not assume any liability in the case of incorrectly reported or incomplete information. Unless stated otherwise all information is provided by the Company. Past performance is not indicative of future results.

Unless stated otherwise this information is communicated by GLG Partners LP, Riverbank House, 2 Swan Lane, London, EC4R 3AD. Authorised and regulated in the UK by the Financial Conduct Authority.