

Annual Trade Execution Report

BMO Asset Management Limited

LEI : 213800QTJCQIMJF3IA71

1 January 2018 – 31 December 2018

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1. Introduction / Overview

UK and European investment firms are required to publish, on an annual basis, information on the five trading venues where they executed the greatest volume of client orders during the previous year and the quality of execution obtained from these venues. If the investment firm doesn't execute client orders directly against a trading venue, then they are required to publish information on the top five firms with whom they placed orders to be executed.

This report contains the detailed analysis for trading activity undertaken by BMO Asset Management Limited, which is the legal entity in relation to BMO Global Asset Management (EMEA)'s centralised dealing desk, for the period 1 January to 31 December 2018.

2. BMO Global Asset Management (EMEA)

BMO Global Asset Management (EMEA) is the group of legal entities made up of BMO Asset Management (Holdings) plc, all its subsidiaries, LGM Investments Limited and Thames River Capital LLP. In the remainder of this document, any reference to "BMO", "we", "us" and "our" means BMO Global Asset Management (EMEA).

BMO operates a centralised dealing desk (CDD) for its UK-based investment management business, whereby the bulk of all trading activity is completed by one team located in the London office. This entity is BMO Asset Management Limited (LEI : 213800QTJQCIMJF3IA71). Trading activity is partly or wholly consolidated through the CDD for the following legal entities:

- BMO Asset Management Limited
- BMO Asset Management Netherlands B.V.
- BMO Managers Limited
- LGM Investments Limited
- Thames River Multi-Capital LLP (from 01.01.2019 BMO AM Multi-Manager LLP)
- Thames River Capital LLP

When trading via the CDD, the execution reports for these entities will show orders as placed with BMO Asset Management Limited. The proportion of orders completed directly with executing brokers or trading venues is also reflected in the relevant execution reports.

The execution reports set out below cover all orders handled by BMO Asset Management Limited, whether these arose from a mandate managed by BMO Asset Management Limited or placed with the CDD by one of the entities above.

The following entity's dealing activity is not routed through the CDD:

- BMO Portugal, Gestao de Patrimonios, S.A.

3. Scope of this Report

EU Regulatory Technical Standard 28 (RTS 28) lays down rules on the content and the format of information to be published by investment firms on an annual basis in relation to client orders executed on trading venues, systematic internalisers, market makers or other liquidity providers or entities that perform a similar function to those performed by any of the foregoing in a third country.

Additionally, investment firms shall publish for each class of financial instruments, a summary of the analysis and conclusions they draw from their detailed monitoring of the quality of execution obtained on the execution venues where they executed all client orders in the previous year. The information should include details such as

- Price, costs, speed, likelihood of execution or any other considerations made when selecting a venue for the order (Execution Factors)
- Whether there are any close links, conflict of interests and common ownerships with respect to any execution venue (Affiliations and conflicts of interest)
- Whether there are any specific arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received (Specific financial arrangements with execution venues)
- An explanation of the factors that led to any change in the list of execution venues (Changes in venue usage)
- An explanation of how order execution differs according to client categorisation (Execution factors specific to customer types)
- An explanation of whether other criteria was given precedence over immediate price and cost when executing retail client orders and how these other criteria were instrumental in delivering the possible result in terms of the total consideration to the client (Situations where price and cost were not the primary execution factors)
- An explanation of how the investment firm has used any data or tools relating to the quality of execution (If and how the firm utilised data from RTS 27 reports)
- Where applicable, an explanation of how the investment firm has used output of a consolidated tape provider established under Article 65 of Directive 2014/65/EU (If and how the firm utilised a CTP when making execution decisions)

Responses to the above considerations are given as narrative with each financial instrument's analysis, and in the section General Disclosures.

4. BMO's Execution Strategy

As part of the investment management services we provide, we place orders for our clients for various financial instruments with other companies for execution. In some circumstances, BMO will place instruction directly into an execution venue.

When selecting an appropriate venue for execution, BMO assesses the execution venues available to identify those that enable us to obtain the best possible result for clients on a consistent basis. Our client orders may be executed on any of the following:

- Regulated markets
- Multilateral Trading Facilities (MTFs); or global equivalents
- Organised Trading Facilities (OTFs); or global equivalents
- Systematic Internalisers (SIs)
- Liquidity pools
- Market makers or other liquidity providers and/or non-EEA entities performing similar functions

This report covers all the financial instruments listed in RTS 28, if they have been traded by BMO. The full list of eligible financial instruments is included as an Appendix to this report.

Passive and Aggressive Reporting

RTS 28 reporting requires firms to classify executed orders as “passive”, “aggressive” or “directed”, where these are defined as the following:

- “passive” order means an order entered into the order book that provided liquidity
- “aggressive” order means an order entered into the order book that took liquidity
- “directed” order means an order where a specific execution venue was specified by the client prior to the execution of the order.

Only orders executed directly on exchange would be eligible for this “passive” or “aggressive” classification. Where orders have been placed with an execution broker and have therefore become part of their book of orders, BMO is not participating in the market directly, and the classification becomes irrelevant to BMO. Trading volume identified as “passive” or “aggressive” in the following reporting is therefore only where BMO has direct market access.

BMO does not have any client relationships where the client directs BMO to use a specific venue. There are therefore no directed orders.

Legal Entities

BMO classifies each legal entity within a counterparty group as a separate entity. We do not aggregate at a group level, however there are very few circumstances in which BMO would be trading the same financial instrument class with multiple entities of the same firm, and we consider this to have no impact on this reporting.

5. General Disclosures

BMO Asset Management Limited has affiliation with BMO Capital Markets, and BMO Capital Markets is a counterparty to BMO in respect of FX deals. For this transaction type, RFQ and elective price streaming is used, and this determines which counterparty is selected. Therefore, there is no priority given to, or conflict of interest in selecting BMO Capital Markets, as they are only selected when offering the best quotes.

All orders included in this report were routed to the CDD operated by BMO Asset Management Limited for execution. The CDD makes the decision to place the order with a specific broker and/or venue.

We do not have any arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.

BMO utilises independent, third-party post-trade analysis for Best Execution and Trade Cost Analysis (TCA). This provides consolidated reporting across asset classes. A broker's RTS 27 report will only show trades executed with that broker, which is less useful.

We have not used consolidated tape data in our execution arrangements.

6. Execution Reports

This section outlines BMO's trading activity during 2018 broken down by financial instrument and listing the top 5 counterparties, based on the principal amount traded.

BMO's reporting is on the financial instrument types traded by BMO during 1 January 2018 – 31 December 2018.

A full list of the financial instruments that could be included in an RTS 28 report is included as an Appendix to this report.

6.1 Equities – shares and depositary receipts

6.1.1 Tick size liquidity band 1 and 2

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Goldman Sachs International LEI : W22LROWP2IHZNBB6K528	18.9	13.5
Credit Suisse Securities Europe Ltd LEI : DL6FFRRLF74S01HE2M14	12.4	23.7
RBC Europe Ltd LEI : TXDSU46SXBWIGJ8G8E98	9.9	5.2
Macquarie Bank Ltd LEI : 4ZHCHI4KYZG2WVRT8631	9.1	7.8
Instinet Europe Limited LEI : 213800MXAKR2LA1VBM44	6.7	6.6
Execution venue : Systematic Internalisers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Investec Bank Plc – Systematic Internaliser	44.4	21.9
Goldman Sachs International – Systematic Internaliser	19.4	2.7
Berenberg – Systematic Internaliser	15.4	13.7
HSBC – Systematic Internaliser	6.8	2.7
Barclays Bank – Systematic Internaliser	6.8	48.0
Execution Factors :	<p>The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.</p> <p>Equities tick band 1 & 2 relates to securities which are traded least frequently (between 0 and 79 trades per day). Regionally, these tend to be those quoted in less developed markets, or small-cap securities in more developed markets.</p> <p>There are 2 tables above. The “Top five execution brokers” indicates where equity orders have been placed with a broker, and where the broker has completed that trade in a market. This represents 99.7% of turnover volume for equities tick band 1 & 2.</p> <p>The “Execution venue : Systematic Internalisers” table indicates where the broker is the liquidity provider and has reported the trade accordingly. For equities tick band 1 & 2 this is 0.3% of total volume trade.</p> <p>In terms of total volume of BMO’s equity turnover, tick band 1 & 2 makes up 49.2% of 2018 turnover volume.</p>	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group. BMO Capital Markets is not a counterparty for Equity trade activity.	
Specific financial arrangements with execution venues :	None	

Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.
Execution factors specific to customer types :	All customers are treated the same with regards to execution.
Situations where price and cost were not the primary execution factors :	If security is illiquid then likelihood of execution would become a primary factor alongside price and cost.
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.
If and how the firm utilised a CTP when making execution decisions :	N/A

6.1.2 Tick size liquidity band 3 and 4

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Liquidnet Europe Limited LEI : 213800ZIRB79BE5XQM68	18.0	9.5
Investment Technology Group Limited LEI : 213800EEC95PRUCEUP63	15.3	6.7
UBS Ag LEI : BFM8T61CT2L1QCCEMIK50	7.3	8.9
Numis Securities Limited LEI : 213800P3F4RT97WDSX47	7.2	5.3
Jefferies International Limited LEI : S5THZMDUJCTQZBTRVI98	6.1	8.5
Execution venue : Systematic Internalisers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Berenberg – Systematic Internaliser	19.3	4.3
HSBC – Systematic Internaliser	17.1	6.4
Credit Suisse Securities Europe Limited – Systematic Internaliser	12.4	12.5
Barclays Bank – Systematic Internaliser	9.5	30.4
UBS Europe SE – Systematic Internaliser	9.0	11.1

<p>Execution Factors :</p>	<p>The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.</p> <p>Equities tick band 3 & 4 relates to securities which are traded with medium frequency (between 80 and 1999 trades per day). For BMO, securities falling into this category tend to be small and mid-cap European securities.</p> <p>There are 2 tables above. The “Top five execution brokers” indicates where equity orders have been placed with a broker, and where the broker has completed that trade in a market. This represents 97.2% of turnover volume for equities tick band 3 & 4.</p> <p>The “Execution venue : Systematic Internalisers” table indicates where the broker is the liquidity provider and has reported the trade accordingly. For equities tick band 3 & 4 this is 2.8% of total volume trade.</p> <p>In terms of total volume of BMO’s equity turnover, tick band 3 & 4 makes up 15.6% of 2018 turnover volume.</p>
<p>Affiliations and Conflicts of Interest :</p>	<p>BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group. BMO Capital Markets is not a counterparty for Equity trade activity.</p>
<p>Specific financial arrangements with execution venues :</p>	<p>None</p>
<p>Changes in venue usage :</p>	<p>BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.</p>
<p>Execution factors specific to customer types :</p>	<p>All customers are treated the same with regards to execution</p>
<p>Situations where price and cost were not the primary execution factors :</p>	<p>None</p>
<p>If and how the firm utilised data from RTS 27 reports :</p>	<p>BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.</p>
<p>If and how the firm utilised a CTP when making execution decisions :</p>	<p>N/A</p>

6.1.3 Tick size liquidity bands 5 and 6

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Investment Technology Group Limited LEI : 213800EEC95PRUCEUP63	12.5	2.0
Societe Generale International Limited LEI : 0IKLU6X1B10WK7X42C15	12.4	19.8
Liquidnet Europe Limited LEI : 213800ZIRB79BE5XQM68	10.1	1.8
Credit Suisse Securities Europe Limited LEI : DL6FFRRLF74S01HE2M14	10.0	20.2
RBC Europe Ltd LEI : TXDSU46SXBWIGJ8G8E98	8.4	9.8
Execution venue : Systematic Internalisers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Societe Generale – Systematic Internaliser	16.8	11.8
Morgan Stanley and Co. International – Systematic Internaliser	14.6	8.2
Credit Suisse Securities Europe Limited – Systematic Internaliser	12.9	13.6
Deutsche Bank AG – Systematic Internaliser	11.2	5.6
Goldman Sachs International – Systematic Internaliser	10.1	18.3
Execution Factors :	<p>The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.</p> <p>Equities tick band 5 & 6 relates to securities which are traded with the highest level of frequency (over 2000 trades per day). These tend to be the largest and most popular global names.</p> <p>There are 2 tables above. The “Top five execution brokers” indicates where equity orders have been placed with a broker, and where the broker has completed that trade in a market. This represents 94.8% of turnover volume for equities tick band 5 & 6.</p> <p>The “Execution venue : Systematic Internalisers” table indicates where the broker is the liquidity provider and has reported the trade accordingly. For equities tick band 5 & 6 this is 5.2% of total volume trade.</p> <p>In terms of total volume of BMO’s equity turnover, tick band 5 & 6 makes up 35.2% of 2018 turnover volume.</p>	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group. BMO Capital Markets is not a counterparty for Equity trade activity.	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	

Execution factors specific to customer types :	All customers are treated the same with regards to execution
Situations where price and cost were not the primary execution factors :	None
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.
If and how the firm utilised a CTP when making execution decisions :	N/A

6.2 Debt instruments

6.2.1 Bonds

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Barclays Bank Plc LEI : G5GSEF7VJP517OUK5573	16.9	15.2
Natwest Markets Plc LEI : RR3QWICWWIPCS8A4S074	10.2	3.7
Morgan Stanley & Co International Plc LEI : 4PQUHN3JPF GFNF3BB653	9.5	8.4
Merrill Lynch International LEI : GGDZP1UYGU9STUHRDP48	7.9	9.7
Citigroup Global Markets Limited LEI : XKZZ2JZF41MRHTR1V493	6.9	6.3
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Tradeweb Europe Limited	53.7	66.2
Bloomberg Trading Facility Limited	15.0	10.6
Marketaxess Europe Limited	3.4	15.1
LiquidNet	0.2	0.8
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	Where liquidity may be an issue, likelihood of execution will become a primary factor.	
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.2.2 Money markets instruments

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Toronto Dominion Bank LEI : PT3QB789TSUIDF371261	14.6	12.3
UBS Limited LEI : REYPIEJN7XZHSUI0N355	10.7	11.5
Citigroup Global Markets Ltd LEI : XKZZ2JZF41MRHTR1V493	8.1	6.7
RBC Dominion Securities Inc LEI : 549300QJJX6CVVUXLE15	7.4	5.8
Rabobank LEI : DG3RU1DBUFHT4ZF9WN62	7.1	7.5
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	None	
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.3 Interest Rate Derivatives

6.3.1 Futures and options admitted to trading on a trading venue

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Goldman Sachs International LEI : W22LROWP2IHZNBB6K528	27.5	46.2
Merrill Lynch International LEI : GGDZP1UYGU9STUHRDP48	24.5	20.3
Morgan Stanley & Co LEI : 4PQUHN3JPFGFNF3BB653	18.7	11.7
UBS Limited LEI : BFM8T61CT2L1QCCEMIK50	10.7	12.8
Nomura LEI : DGQCSV2PHVF7I2743539	6.8	6.5
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	None	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS 27 reports has not provided any additional data that can be quantitatively analysed	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.3.2 Swaps, forwards and other interest rates derivatives

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
BNP Paribas LEI : R0MUWSFPU8MPRO8K5P83	19.4	11.4
JP Morgan Securities LEI : K6Q0W1PS1L1O4IQL9C32	13.9	6.4
Barclays Bank Plc LEI : G5GSEF7VJP5I7OUK5573	12.4	14.5
Citibank NA London LEI : E57ODZWZ7FF32TWEFA76	11.7	7.1
Merrill Lynch International LEI : GGDZP1UYGU9STUHRDP48	9.4	15.7
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	None	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS 27 reports has not provided any additional data that can be quantitatively analysed	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.4 Credit Derivatives

6.4.1 Other credit derivatives

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Merrill Lynch International LEI : GGDZP1UYGU9STUHRDP48	89.6	73.8
Morgan Stanley & Co LEI : 4PQUHN3JPFNF3BB653	4.4	4.8
Societe Generale LEI : O2RNE8IBXP4R0TD8PU41	2.9	13.1
JP Morgan Securities LEI : K6Q0W1PS1L1O4IQL9C32	2.3	6.0
HSBC Bank Plc LEI : MP6I5ZYZBEU3UXPYFY54	0.4	1.2
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	Where illiquid , likelihood of execution would become a primary factor alongside price and cost	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS 27 reports has not provided any additional data that can be quantitatively analysed	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.5 Currency derivatives

6.5.1 Futures and options admitted to trading on a trading venue

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
HSBC Bank Plc LEI : MP6I5ZYZBEU3UXPYFY54	48.7	35.2
Barclays Bank Plc LEI : G5GSEF7VJP5I7OUK5573	32.2	33.8
BNP Paribas LEI : R0MUWSFPU8MPRO8K5P83	13.8	21.1
Societe Generale LEI : O2RNE8IBXP4R0TD8PU41	5.3	9.9
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	Where illiquid , likelihood of execution would become a primary factor alongside price and cost	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS 27 reports has not provided any additional data that can be quantitatively analysed	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.5.2 Swaps, forwards and other currency derivatives

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
JP Morgan Securities LEI : K6Q0W1PS1L1O4IQL9C32	12.0	14.3
HSBC Bank Plc LEI : MP6I5ZYZBEU3UXPYFY54	11.5	13.6
Royal Bank of Canada LEI : ES7IP3U3RHIGC71XBU11	10.0	6.6
Westpac Plc LEI : EN5TNI6CI43VEPAMHL14	9.9	7.5
BNP Paribas LEI : R0MUWSFPU8MPRO8K5P83	9.5	12.2
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	Where illiquid , likelihood of execution would become a primary factor alongside price and cost	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS 27 reports has not provided any additional data that can be quantitatively analysed	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.6 Equity derivatives

6.6.1 Options and futures admitted to trading on a trading venue

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Goldman Sachs International LEI : W22LROWP2IHZNBB6K528	43.8	74.3
Societe Generale LEI : O2RNE8IBXP4R0TD8PU41	25.1	1.3
RBC Europe Ltd LEI : TXDSU46SXBWIGJ8G8E98	20.2	11.5
Credit Suisse Securities LEI : DL6FFRRLF74S01HE2M14	10.2	0.9
Morgan Stanley & Co International Plc LEI : 4PQUHN3JPF GFNF3BB653	0.6	0.1
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	Where illiquid , likelihood of execution would become a primary factor alongside price and cost	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS 27 reports has not provided any additional data that can be quantitatively analysed	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.6.2 Swaps and other equity derivatives

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Citigroup Global Markets LEI : XKZZ2JZF41MRHTR1V493	32.6	6.5
Merrill Lynch International LEI : GGDZP1UYGU9STUHRDP48	18.9	25.0
HSBC Bank Plc LEI : MP6I5ZYZBEU3UXPYFY54	16.3	12.0
JPM Securities LEI : K6Q0W1PS1L1O4IQL9C32	14.7	25.0
Societe Generale LEI : O2RNE8IBXP4R0TD8PU41	7.6	17.4
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	Where illiquid , likelihood of execution would become a primary factor alongside price and cost	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS 27 reports has not provided any additional data that can be quantitatively analysed	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.7 Securitised Derivatives

6.7.1 Warrants and other Certificated Derivatives

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
HSBC Bank Plc LEI : MP6I5ZYZBEU3UXPYFY54	88.9	91.9
BNP Paribas LEI : R0MUWSFPU8MPRO8K5P83	8.8	5.4
Citibank NA London LEI : E57ODZWZ7FF32TWEFA76	2.3	2.7
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group. BMO Capital Markets is not a counterparty for Equity trade activity.	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	None	
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.8 Commodities Derivatives

6.8.1 Other commodities derivatives

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
JPM Securities LEI : K6Q0W1PS1L1O4IQL9C32	29.3	34.8
Merrill Lynch International LEI : GGDZP1UYGU9STUHRDP48	27.1	26.1
Societe Generale LEI : O2RNE8IBXP4R0TD8PU41	23.4	21.7
Goldman Sachs International LEI : W22LROWP2IHZNBB6K528	20.2	17.4
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group. BMO Capital Markets is not a counterparty for Equity trade activity.	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	None	
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.9 Contracts for Difference

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Thames River Capital LLP LEI: 213800WJ6E2A1A6XG215	100.0	100.0
Execution Factors :	Trading of all CFD product is completed by Thames River Capital LLP, where mandate of investment product has been delegated. For further breakdown of CFD execution please refer to the RTS 28 report published for Thames River Capital LLP.	
Affiliations and Conflicts of Interest :	Thames River Capital LLP has no trading relationship with BMO Capital Markets.	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	CFD's are written by each fund/client's authorised CFD provider. These are determined by the legal agreements entered into on behalf of each fund. During 2018 there was a one-to-one relationship between CFD provider and fund – no fund had multiple CFD providers. There were no venues added or discontinued during 2018.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution. Where the same underlying equity is being traded CFD and Cash Settlement on a particular day, additional post-trade analysis ensures that customers have been treated fairly.	
Situations where price and cost were not the primary execution factors :	None	
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed. TCA provision includes trading activity completed by Thames River Capital LLP.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.10 Exchange Traded Products

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Flow Traders BV LEI : 549300CLJI9XDH12XV51	37.6	23.5
Jane Street Financial Ltd LEI : 549300ZHEHX8M31RP142	16.4	34.7
Citibank NA London LEI : E57ODZWZ7FF32TWEFA76	14.7	0.5
RBC Europe Ltd LEI : TXDSU46SXBWIGJ8G8E98	13.8	9.3
ITG POSIT LEI : 213800EEC95PRUCEUP63	9.6	12.0
Execution Factors :	The availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group. BMO Capital Markets is not a counterparty for Equity trade activity.	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution.	
Situations where price and cost were not the primary execution factors :	If security is illiquid then likelihood of execution would become a primary factor alongside price and cost.	
If and how the firm utilised data from RTS 27 reports :	BMO use a third-party Transaction Cost Analysis (TCA) supplier to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.11 Other Instruments

6.11.1 Unitised Product

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
BMO Asset Management Limited LEI : 213800QTJQCIMJF3IA71	57.2	27.5
BMO LDI FUND – BMO EURO LIQUIDITY FUND LEI : 213800L1VDLQPI4S7915	17.8	7.6
LDI PRIVATE SUB-FUND 28 GBP LEI : 213800B7D74HWVE15M80	1.37	0.22
LDI PRIVATE SUB-FUND F GBP LEI : 213800MAFGCASL491Y21	0.83	0.04
BMO EQUITY-LINKED REAL DLDI FUND LEI : 213800KKIZNVHY4ORB17	0.65	0.31
General Comments :	Trunover included in the above table is made up primarily of unitised product and equities which do not currently have a tick band classification.	
Execution Factors :	<p>The nature of Mutual Funds means that there is only one execution venue available. In such circumstances by meeting the trading obligations on that venue we have met the Best Execution obligation.</p> <p>For equities, the availability of liquidity across a number of different venues and price discovery means that we place the highest importance on price and then costs associated with execution. The factors we consider are: price, costs, speed, likelihood of execution, size, counterparty risk.</p>	
Affiliations and Conflicts of Interest :	BMO has an affiliation to BMO Capital Markets which is a part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	The liquidity of the contracts would determine on priority of factors, price would usually still be most important.	
If and how the firm utilised data from RTS 27 reports :	BMO use Transaction Cost Analysis (TCA) to provide quantitative data for Best Execution assessment. During quarterly meetings, trading costs and market impact costs are reviewed by the Dealing Oversight Committee. Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

6.12 Security financing transactions

Top five execution brokers ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Barclays Bank LEI : G5GSEF7VJP5I7OUK5573	25.0	18.8
Lloyds TSB Bank Plc LEI : H7FNTJ4851HG0EXQ1Z70	20.6	28.8
JP Morgan Securities Plc LEI : K6Q0W1PS1L1O4IQL9C32	12.9	11.5
Scotiabank Europe Plc LEI : 5G6NVP4WADOI32VUUB17	10.4	8.3
HSBC Bank Plc LEI : MP6I5ZYZBEU3UXPYFY54	8.9	5.1
Execution Factors :	For reverse repo for cash management and repo (for cash raising purposes) we will typically determine price to be the most important factor when making assessments of the quality of execution. Speed and likelihood of execution will be considered but are unlikely to be placed above price. For these, transactions size and nature will be considered immediately after the execution factor of price	
Affiliations and Conflicts of Interest :	Affiliation to BMO Capital Markets which is part of BMO Financial Group	
Specific financial arrangements with execution venues :	None	
Changes in venue usage :	BMO continually assess and monitor the venues on which we are active. We will add venues where we feel it will add to the delivery of best execution. This may involve entering into a new relationship as a result of market structure changes or a new venue becoming available that offers improved price quality and liquidity access.	
Execution factors specific to customer types :	All customers are treated the same with regards to execution	
Situations where price and cost were not the primary execution factors :	Where illiquid, likelihood of execution would become a primary factor alongside price and cost	
If and how the firm utilised data from RTS 27 reports :	Publication of RTS27 reports have not provided any additional data that can be quantitatively analysed.	
If and how the firm utilised a CTP when making execution decisions :	N/A	

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Appendix : RTS 28 list of financial instruments

		Trading venue data	Counterparty data
a.	Equities – Shares and depositary receipts		
	i. Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)		
	ii. Tick size liquidity bands 3 and 4 (from 80 to 1,999 trades per day)		
	iii. Tick size liquidity bands 5 and 6 (from 2,000 trades per day)		
b.	Debt instruments		
	i. Bonds		
	ii. Money markets instruments		
c.	Interest rates derivatives		
	i. Futures and options admitted to trading on a trading venue		
	ii. Swaps, forwards, and other interest rates derivatives		
d.	Credit derivatives		
	i. Futures and options admitted to trading on a trading venue		
	ii. Other credit derivatives		
e.	Currency derivatives		
	i. Futures and options admitted to trading on a trading venue		
	ii. Swaps, forwards, and other currency derivatives		
f.	Structured finance instruments		
g.	Equity derivatives		
	i. Options and Futures admitted to trading on a trading venue		
	ii. Swaps and other equity derivatives		
h.	Securitised derivatives		
	i. Warrants and certificate derivatives		
	ii. Other securitised derivatives		
i.	Commodities derivatives		
	i. Options and Futures admitted to trading on a trading venue		
	ii. Other commodities derivatives		
j.	Contracts for difference		
k.	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)		
l.	Emission allowances		
m.	Other instruments		