

Top five execution venues & Brokers -
annual report 2021 (RTS 28)

Degroof Petercam Belgium

Publication 30.04.2022

CONTEXT

The present document constitutes the annual Top 5 execution venues & brokers report of Bank Degroof Petercam Belgium (hereafter “the Bank’ or “BDPB”), in line with the MiFID II regulatory framework.

As such, it provides detailed information on the quality of order execution obtained by the Bank with regards to its Order Execution Policy, as well the identification the top five execution venues & brokers in terms of trading volume used by the Bank. It also aims at providing investors with an accurate understanding of the practical aspects of order execution performed by or through the Bank. To that end, the present report analyses transactions by category of financial instruments for retail and professional clients under MiFID II.

Interpretation of the provided information

The information provided in the present document encompasses the period between 1.01.2021 and 31.12.2021.

The present report has been published in accordance with the templates set up in the annex II of the Delegated Regulation (EU) 2017/576 of 8 June 2016.

Transaction data are provided by client category (retail or professional), providing a split of the total volume across the top five execution venues and top five intermediaries (such as brokers).

TABLE OF CONTENTS

CONTEXT	2
TABLE OF CONTENTS	3
ANALYSIS OF EXECUTION FACTORS	5
EQUITY – SHARES & DEPOSITARY RECEIPTS	7
RETAIL CLIENTS	7
PROFESSIONAL CLIENTS	10
COMMENTS SPECIFIC TO EQUITY INSTRUMENTS ACTIVITIES	13
DEBT INSTRUMENTS – BONDS	13
RETAIL CLIENTS	13
PROFESSIONAL CLIENTS	14
COMMENTS SPECIFIC TO DEBT INSTRUMENTS ACTIVITIES	14
DEBT INSTRUMENTS – MONEY MARKET	15
RETAIL CLIENTS	15
PROFESSIONAL CLIENTS	16
COMMENTS SPECIFIC TO MONEY MARKET INSTRUMENTS ACTIVITIES	16
INTEREST RATE DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE	17
RETAIL CLIENTS	17
PROFESSIONAL CLIENTS	17
COMMENTS SPECIFIC TO INTEREST RATE DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE	17
INTEREST RATE DERIVATIVES - SWAP, FORWARDS AND OTHER INTEREST RATES DERIVATIVES	17
CREDIT DERIVATIVES	18
CURRENCY DERIVATIVES - FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE	18
RETAIL CLIENTS	18
PROFESSIONAL CLIENTS	18
COMMENTS SPECIFIC TO CURRENCY DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO	

TRADING ON A TRADING VENUE	18
COMMENTS SPECIFIC TO SWAP, FORWARDS AND OTHER CURRENCY DERIVATIVES	19
EQUITY DERIVATIVES - FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE	20
RETAIL CLIENTS	20
PROFESSIONAL CLIENTS	20
COMMENTS SPECIFIC TO EQUITY DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE	20
EQUITY DERIVATIVES - SWAP AND OTHER EQUITY DERIVATIVES	21
RETAIL CLIENTS	21
PROFESSIONAL CLIENTS	21
COMMENTS SPECIFIC TO EQUITY DERIVATIVES INSTRUMENTS ACTIVITIES	21
SECURITIZED DERIVATIVES	22
COMMODITIES DERIVATIVES AND EMSSSION ALLOWANCES DERIVATIVES	22
CONTRACTS FOR DIFFERENCE	22
EXCHANGE-TRADED PRODUCTS (FUNDS, NOTES & COMMODITIES)	22
RETAIL CLIENTS	22
PROFESSIONAL CLIENTS	23
COMMENTS SPECIFIC TO EXCHANGE-TRADED PRODUCTS ACTIVITIES	24
OTHER INSTRUMENTS	25
RETAIL CLIENTS	25
PROFESSIONAL CLIENTS	25

ANALYSIS OF EXECUTION FACTORS

For all asset classes, whatever the client category under MiFID (retail or professional client), the Bank ensures quality of execution in line with best market practices and its order execution policy.

The present section details general elements encompassing all asset classes, complemented with specific items in the further sections dedicated to these distinct asset classes.

Relative importance of execution factors

As described in its order execution policy, the Bank determines the criteria it deems most appropriate to consider and prioritize in the execution of any transaction. This encompasses:

- The price of the financial instrument,
- all implicit or explicit costs related to the order execution,
- the speed and likelihood of execution and settlement,
- the size and nature of the order and
- any other parameters that may impact the quality or total cost of execution.

The Bank interprets the above criteria giving full consideration to:

- characteristics and MiFID classification of the client,
- characteristics of the order,
- characteristics of financial instruments that are the subject of that order; and
- characteristics of the execution venues to which that order can be directed.

For non-professional clients within the meaning of MiFID 2, in general and for all asset classes the highest relative importance will be given to the price of the financial instrument and the overall costs of executing the transaction - including any fees paid to third parties involved in the execution of the order. No other criteria were given precedence over total consideration of costs and price for retail clients, in line with the Bank's policy. No exception was recorded in 2021.

For professional clients, the relative importance of the aforementioned criteria will depend on the market circumstances and the order characteristics. During stressed market conditions, the predominant criterias might vary in the best interest of the client.

Rationale underlying changes in selected execution venues and brokers

All execution venues and brokers on which the Bank may rely on for execution of orders are subject to a formal annual review by the Broker Committee, as detailed in the order execution policy of the Bank. The selection of brokers as intermediaries is subject to validation by Compliance and Risk Management for many aspects including legal review and counterparty risk.

In 2021, different UK based brokers or execution venues have switched their activities to a EU subsidiary or branch in order to anticipate the impact of the Brexit and to guarantee to continue offering their services to EU investment firms.

Any other changes to the selected venues, that were recorded in 2021, are highlighted in the different paragraphs per asset class.

Potential conflicts of interest in selection of execution venues & brokers

Bank Degroof Petercam Belgium holds neither stake nor interest in any venue or broker it may rely on to execute transactions on behalf of clients, with a single exception for Debt instruments (see dedicated section for further details). The Bank is however centraliser for execution or routing for several Degroof Petercam group entities.

A description of any specific arrangements with any execution venues regarding payments made or received, discounts, rebates, or non-monetary benefits received

Bank Degroof Petercam does not receive any remuneration, rebates or non-monetary benefits for the execution of client transactions on a particular execution venue.

Data tools and analytics

The amount and quality of data have significantly improved in a MiFID II world. The bank uses performant analytical tools for TCA ('trade cost analysis') and 'Best Execution'. These tools allow the bank to gather statistics, review business performance, evaluate counterparties and guide pre-trade analytics. The Bank currently uses BTCA from Bloomberg for FX and Listed Derivatives, ISS Liquidmetrix for Equities and its own developed tool for Bonds.

Definitions

'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.

'Tick Size Liquidity Bands' are defined as followed:

- Tick size liquidity band 1 and 2 (from 0 to 79 trades per day).
- Tick size liquidity band 3 and 4 (from 80 to 1 999 trades per day).
- Tick size liquidity band 5 and 6 (from 2000 trades per day).

EQUITY – SHARES & DEPOSITARY RECEIPTS

Orders from clients on equity and equity-like instruments are either executed on the market where the Bank is a member (i.e., Euronext and Luxembourg Stock Exchange markets), or routed to third party brokers for instructions the Bank cannot directly execute, all in line with the policy of the bank regarding execution of orders.

Following our review with regards to our best execution criteria, few changes for the list of brokers have been performed

RETAIL CLIENTS

Execution of orders per Tick Size Liquidity Bands

Class of Instrument	Equities - Shares & Depositary Receipts - (i)Tick Size Liquidity Bands 1 - 2				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Brussel (XBRU)	72.87%	86.30%	62.45%	37.55%	0.00%
Luxembourg Stock Exchange (XLUX)	27.13%	13.70%	55.25%	44.75%	0.00%

Class of Instrument	Equities - Shares & Depositary Receipts - (i)Tick Size Liquidity Bands 3 - 4				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Brussel (XBRU)	96.93%	96.08%	68.78%	31.22%	0.00%
Euronext Paris (XPAR)	2.63%	3.75%	96.79%	3.21%	0.00%
Euronext Amsterdam (XAMS)	0.44%	0.17%	97.92%	2.08%	0.00%

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 5 - 6				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Brussel (XBRU)	79.49%	92.33%	69.32%	30.68%	0.00%
Euronext Amsterdam (XAMS)	16.15%	6.70%	87.36%	12.64%	0.00%
Euronext Paris (XPAR)	4.17%	0.60%	94.56%	5.44%	0.00%
Luxembourg Stock Exchange (XLUX)	0.19%	0.37%	28.12%	71.88%	0.00%

Routing and Transmission of Orders (RTO) per Tick Size Liquidity Bands

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 1 - 2				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
EXANE BNP (969500UP76J52A9OXU27)	29.14%	25.88%	36.22%	63.78%	0.00%
VIRTU FINANCIAL (549300346EFUPFCXJT79)	27.44%	17.22%	35.72%	64.28%	0.00%
INSTINET (213800MXAKR2LA1VBM44)	25.65%	35.68%	41.50%	58.50%	0.00%
MORGAN STANLEY (4PQUHN3JPFQFNF3BB653)	4.80%	4.72%	65.14%	34.86%	0.00%
RAYMOND JAMES (213800GH3F4OW1COOV72)	4.60%	4.60%	31.46%	68.54%	0.00%

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 3 - 4				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
INSTINET (213800MXAKR2LA1VBM44)	42.97%	36.59%	39.68%	60.32%	0.00%
EXANE BNP (969500UP76J52A9OXU27)	27.87%	25.92%	52.56%	47.44%	0.00%
VIRTU FINANCIAL (549300346EFUPFCXJT79)	16.98%	10.34%	64.16%	35.84%	0.00%
MORGAN STANLEY (4PQUHN3JPF GFNF3BB653)	6.21%	10.09%	18.59%	81.41%	0.00%
KEPLER (9695005EOZG9X8IRJD84)	4.04%	14.90%	59.78%	40.22%	0.00%

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 5 - 6				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
EXANE BNP (969500UP76J52A9OXU27)	42.93%	41.60%	40.74%	59.26%	0.00%
INSTINET (213800MXAKR2LA1VBM44)	26.48%	25.14%	47.95%	52.05%	0.00%
VIRTU FINANCIAL (549300346EFUPFCXJT79)	17.96%	9.20%	56.71%	43.29%	0.00%
RAYMOND JAMES (213800GH3F4OW1COOV72)	6.49%	15.96%	58.20%	41.80%	0.00%
MORGAN STANLEY (4PQUHN3JPF GFNF3BB653)	3.87%	4.79%	51.99%	48.01%	0.00%

PROFESSIONAL CLIENTS

Execution of orders per Tick Size Liquidity Bands

Class of Instrument	Equities - Shares & Depository Receipts - (i) Tick Size Liquidity Bands 1 - 2				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Brussel (XBRU)	67.63%	68.29%	58.68%	41.32%	0.00%
Luxembourg Stock Exchange (XLUX)	12.90%	3.62%	36.37%	63.63%	0.00%
Euronext Amsterdam (XAMS)	10.47%	22.86%	81.40%	18.60%	0.00%
Euronext Paris (XPAR)	2.41%	3.16%	58.94%	41.06%	0.00%

Class of Instrument	Equities - Shares & Depository Receipts - (i) Tick Size Liquidity Bands 3 - 4				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Brussel (XBRU)	77.08%	67.59%	76.59%	23.41%	0.00%
Euronext Amsterdam (XAMS)	15.58%	21.95%	85.11%	14.89%	0.00%
Euronext Paris (XPAR)	7.31%	10.46%	82.98%	17.02%	0.00%

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 5 - 6				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Brussel (XBRU)	46.11%	48.51%	83.93%	16.07%	0.00%
Euronext Amsterdam (XAMS)	31.69%	26.62%	89.88%	10.12%	0.00%
Euronext Paris (XPAR)	22.19%	24.86%	72.89%	27.11%	0.00%
Luxembourg Stock Exchange (XLUX)	0.00%	0.02%	82.60%	17.40%	0.00%

Routing and Transmission of Orders (RTO) per Tick Size Liquidity Bands

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 1 - 2				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
INSTINET (213800MXAKR2LA1VBM44)	38.43%	51.81%	44.88%	55.12%	0.00%
RAYMOND JAMES (213800GH3F4OW1COOV72)	23.25%	20.09%	62.69%	37.31%	0.00%
MORGAN STANLEY (4PQUHN3JPFQFNF3BB653)	14.26%	14.45%	66.35%	33.65%	0.00%
EXANE BNP (969500UP76J52A9OXU27)	8.31%	5.24%	58.76%	41.24%	0.00%
JP MORGAN (K6Q0W1PS1L1O4IQL9C32)	4.09%	1.36%	28.53%	71.47%	0.00%

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 3 - 4				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
INSTINET (213800MXAKR2LA1VBM44)	45.73%	57.56%	55.78%	44.22%	0.00%
EXANE BNP (969500UP76J52A9OXU27)	13.88%	14.51%	56.72%	43.28%	0.00%
MORGAN STANLEY (4PQUHN3JPFQFNF3BB653)	8.95%	8.58%	18.10%	81.90%	0.00%
VIRTU FINANCIAL (549300346EFUPFCXJT79)	8.80%	4.34%	77.49%	22.51%	0.00%
KEPLER (9695005EOZG9X8IRJD84)	3.91%	8.51%	55.25%	44.75%	0.00%

Class of Instrument	Equities - Shares & Depository Receipts - (i)Tick Size Liquidity Bands 5 - 6				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
INSTINET (213800MXAKR2LA1VBM44)	32.63%	41.23%	55.61%	44.39%	0.00%
RAYMOND JAMES (213800GH3F4OW1COOV72)	22.47%	16.41%	66.42%	33.58%	0.00%
EXANE BNP (969500UP76J52A9OXU27)	22.09%	18.97%	66.12%	33.88%	0.00%
MORGAN STANLEY (4PQUHN3JPFQFNF3BB653)	9.54%	9.64%	63.02%	36.98%	0.00%
VIRTU FINANCIAL (549300346EFUPFCXJT79)	4.10%	3.94%	57.46%	42.54%	0.00%

COMMENTS SPECIFIC TO EQUITY INSTRUMENTS ACTIVITIES

Degroof Petercam clients' execution differs according to their client categorization on equities and equities-like Instruments.

Private Banking clients are classified as retail clients unless they explicitly ask for an opt-up in order to be considered as professional.

A dealing desk oversees the execution for the retail client orders and Degroof Petercam Asset Management.

Institutional clients are generally classified as professional and order execution is executed by a dedicated Sell Side Desk.

DEBT INSTRUMENTS – BONDS

Most of the orders from clients on debt instruments are executed on the most important MTF (Multilateral Trading Facilities) for both retail and professional clients, (Bloomberg EU MTF and MarketAxess EU MTF) ensuring on-venue quality of execution in all cases.

Following our review with regards to our best execution criteria, few changes for the list of counterparties have been performed.

RETAIL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Bonds				
	N				
Notification if <1 average trade per business day in the previous year	N				
Top five counterparties 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BNP PARIBAS(R0MUWSFPU8MPRO8K5P83)	10.50%	7.90%	N/A	N/A	0.00%
Belfius Bank SA (A5GWLFH3KM7YV2SFQL84)	7.30%	5.10%	N/A	N/A	0.00%
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	6.60%	5.80%	N/A	N/A	0.00%
Jefferies LLC (S5THZMDUJCTQZBTRVI98)	5.70%	2.30%	N/A	N/A	0.00%
JP MORGAN (K6Q0W1PS1L1O4IQL9C32)	5.50%	6.20%	N/A	N/A	0.00%

PROFESSIONAL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Bonds				
Notification if <1 average trade per business day in the previous year	N				
Top five counterparties 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JP MORGAN (K6Q0W1PS1L1O4IQL9C32)	11.70%	9.80%	N/A	N/A	0.00%
BNP PARIBAS(R0MUWSFPU8MPRO8K5P83)	8.50%	7.20%	N/A	N/A	0.00%
BARCLAYS BANK PLC (G5GSE0F7VJP5I7OUK5573)	6.20%	6.50%	N/A	N/A	0.00%
CITIGROUP GLOBAL MARKETS (XKZZ2JZF41MRHTR1V493)	5.30%	5.30%	N/A	N/A	0.00%
DEUTSCHE BANK (7LTWFZYICNSX8D621K86)	5.00%	4.70%	N/A	N/A	0.00%

COMMENTS SPECIFIC TO DEBT INSTRUMENTS ACTIVITIES

The top five counterparties for Degroof Petercam are all Global houses with broad bond coverage, providing liquidity bi-laterally or through a request for quote (RFQ) process on an MTF.

In an RFQ process, price will be the most important factor.

Due to the large variance in liquidity across fixed income it is sometimes necessary in the illiquid markets to place the highest priority on likelihood of execution via a bi-lateral request.

Potential conflicts of interest in selection of venues

As an exception to its standard practices, Bank Degroof Petercam Belgium may in some cases execute orders on debt instruments OTC with its subsidiary Banque Degroof Petercam Luxembourg as counterparty, always in the best interest of the client and exclusively when no other counterparty may offer better conditions.

Specific mitigation measures are in place at Bank Degroof Petercam Luxembourg to ensure client's interests are put above those of the bank.

DEBT INSTRUMENTS – MONEY MARKET

All orders from clients on debt instruments are executed on MTF (Multilateral Trading Facilities: Bloomberg EU MTF and MarketAxess EU MTF) for both retail and professional clients, ensuring on-venue quality of execution in all cases.

Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

RETAIL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Money Market				
Notification if <1 average trade per business day in the previous year	N				
Top five counterparties 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BNP PARIBAS FORTIS (KGCEPHLVVKVRZY01T647)	70.60%	56.20%	N/A	N/A	0.00%
BNP PARIBAS (ROMUWSFPU8MPRO8K5P83)	11.30%	12.50%	N/A	N/A	0.00%
BRED BANQUE POPULAIRE (NICH5Q04ADUV9SN3Q390)	11.30%	12.50%	N/A	N/A	0.00%
BGC AUREL (5RJTDGZG4559ESIYLD31)	4.20%	6.20%	N/A	N/A	0.00%
KBC BANK NV (6B2PBRV1FCJDMR45RZ53)	2.60%	12.50%	N/A	N/A	0.00%

PROFESSIONAL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Money Market				
Notification if <1 average trade per business day in the previous year	N				
Top five counterparties 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BRED Banque Populaire (NICH5Q04ADUV95N3Q390)	24.20%	22.80%	N/A	N/A	0.00%
BNP PARIBAS (ROMUWSFPU8MPRO8K5P83)	22.10%	18.40%	N/A	N/A	0.00%
ING (JLS56RAMYQZECFUF2G44)	13.10%	10.50%	N/A	N/A	0.00%
BGC AUREL (5RJTDGZG4559ESIYLD31)	10.90%	7.00%	N/A	N/A	0.00%
GOLDMAN SACHS (W22LROWP2IHZNBB6K528)	8.90%	3.50%	N/A	N/A	0.00%

COMMENTS SPECIFIC TO MONEY MARKET INSTRUMENTS ACTIVITIES

Due to the large variance in liquidity across fixed income it is sometimes necessary in the illiquid markets to place the highest priority on likelihood of execution. This is even more true within the money market space as rates of a specific issuer are almost entirely standardised across counterparties.

INTEREST RATE DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE

Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

RETAIL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Interest Rate Derivatives Futures and options admitted to trading on a trading venue				
Notification if <1 average trade per business day in the previous year	N				
Top five 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	100%	100.00%	0%	100%	0%

PROFESSIONAL CLIENTS

Class of instrument	Interest Rate Derivatives Futures and options admitted to trading on a trading venue				
Notification if <1 average trade per business day in the previous year	N				
Top five 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	100%	100.00%	0%	100%	0%

COMMENTS SPECIFIC TO INTEREST RATE DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE

Interest rate derivatives are routed to Bank Degroof Luxembourg SA who guarantees Best Execution and key performance controls, that are in place in order to monitor the execution delegated by Bank Degroof Petercam Belgium to its branch. Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

INTEREST RATE DERIVATIVES - SWAP, FORWARDS AND OTHER INTEREST RATES DERIVATIVES

N/A

CREDIT DERIVATIVES

N/A

CURRENCY DERIVATIVES - FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE

Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

RETAIL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Currency Derivatives Futures and options admitted to trading on a trading venue				
Notification if <1 average trade per business day in the previous year	N				
Top five 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	100%	100.00%	0%	100%	0%

PROFESSIONAL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Currency Derivatives Futures and options admitted to trading on a trading venue				
Notification if <1 average trade per business day in the previous year	N				
Top five 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	100%	100.00%	0%	100%	0%

COMMENTS SPECIFIC TO CURRENCY DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE

FX futures and options derivatives are routed to Bank Degroof Luxembourg SA who guarantees Best Execution and key performance controls, that are in place in order to monitor the execution delegated by Bank Degroof Petercam Belgium to its branch. Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

CURRENCY DERIVATIVES - SWAP, FORWARDS AND OTHER CURRENCY DERIVATIVES

Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

Routing and Transmission of Orders (RTO)

Class of instrument	Currency derivatives Swap, Forwards and other Currency Derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top five counterparties 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	100.00%	100.00%	N/A	N/A	N/A

COMMENTS SPECIFIC TO SWAP, FORWARDS AND OTHER CURRENCY DERIVATIVES

FX OTC derivatives for Bank Degroof Petercam clients are executed by Bank Degroof Petercam Luxembourg SA who guarantees best execution and key performance controls, that are in place in order to monitor the execution delegated by Bank Degroof Petercam Belgium to its branch.

No difference between order execution criteria for Professional or Retail clients. All figures below aggregate activity for both client categories.

Bank Degroof Petercam always acts as counterparty of the client.

STRUCTURED FINANCE INSTRUMENT

N/A

EQUITY DERIVATIVES - FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE

Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

Routing and Transmission of Orders (RTO)

RETAIL CLIENTS

Class of instrument	Equity derivatives INDEX & STOCK Futures and options admitted to trading on a trading venue				
Notification if <1 average trade per business day in the previous year	N				
Top five 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	100%	100.00%	0%	100%	0%

PROFESSIONAL CLIENTS

Class of instrument	Equity derivatives INDEX & STOCK Futures and options admitted to trading on a trading venue				
Notification if <1 average trade per business day in the previous year	N				
Top five 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM LUXEMBOURG (NCKZJ8T1GQ25CDCFSD44)	100%	100.00%	N/A	N/A	0%

COMMENTS SPECIFIC TO EQUITY DERIVATIVES – FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE

Equity futures and options derivatives are routed to Bank Degroof Luxembourg SA who guarantees Best Execution and key performance controls, that are in place in order to monitor the execution delegated by Bank Degroof Petercam Belgium to its branch. Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

EQUITY DERIVATIVES - SWAP AND OTHER EQUITY DERIVATIVES

Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

Routing and Transmission of Orders (RTO)

RETAIL CLIENTS

Class of instrument	Equity derivatives INDEX & STOCK Swap and Other Equity Derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top five counterparties 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM (549300NBLHT5Z7ZV1241)	100%	100.00%	N/A	N/A	0%

PROFESSIONAL CLIENTS

Class of instrument	Equity derivatives INDEX & STOCK Swap and Other Equity Derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top five counterparties 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BANQUE DEGROOF PETERCAM (549300NBLHT5Z7ZV1241)	100%	100.00%	N/A	N/A	0%

COMMENTS SPECIFIC TO EQUITY DERIVATIVES INSTRUMENTS ACTIVITIES

Equity derivatives and equity swaps are customised OTC financial instruments. OTC derivatives for Bank Degroof Petercam clients are traded by Bank Degroof Petercam Belgium SA in a principal capacity. As Bank Degroof Petercam Belgium operates in a competitive market for the execution of clients RFQ's in OTC Derivatives instruments, the expectation is that clients have access to multiple dealers and pricing sources and hence are in competition. Best Execution obligations are unlikely to apply where Professional Clients have asked for a quote (Request-for-Quote or RFQ) and it is determined that there is no legitimate reliance placed on Bank Degroof Petercam to meet the relevant Best Execution requirements. However, Bank Degroof Petercam endeavors to provide competitive pricing to all clients. OTC transactions are subject to increased counterparty risk and settlement risk, as these transactions are not covered by the clearing and settlement rules of the relevant

trading venue and central counterparty.

SECURITIZED DERIVATIVES

N/A

COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES

N/A

CONTRACTS FOR DIFFERENCE

N/A

EXCHANGE-TRADED PRODUCTS (FUNDS, NOTES & COMMODITIES)

This category encompasses all exchange-traded funds, notes and commodities. The Bank relies for these asset classes on direct access to venues or brokers, just as for Equities. Execution venues and intermediaries are selected and reviewed annually at the same time as those used for any other asset class. Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

RETAIL CLIENTS

Execution of orders

Class of Instrument	Execution - Exchange Traded Funds				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Amsterdam (XAMS)	98.09%	90.00%	0.00%	100.00%	0.00%
Euronext Paris (XPAR)	1.91%	10.00%	0.00%	100.00%	0.00%

Routing and Transmission of Orders (RTO)

Class of Instrument	RTO - Exchange Traded Funds				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JANE STREET (549300ZHEHX8M31RP142)	23.50%	6.95%	0.00%	100.00%	0.00%
FLOW TRADERS (549300CLJI9XDH12XV51)	22.33%	7.01%	0.00%	100.00%	0.00%
EXANE BNP (969500UP76J52A9OXU27)	19.94%	40.12%	18.66%	81.34%	0.00%
VIRTU FINANCIAL (549300346EFUPFCXJT79)	11.82%	26.60%	24.59%	75.41%	0.00%
OPTIVER (7245009KRY SAYB2QCC29)	7.08%	1.33%	0.00%	100.00%	0.00%

PROFESSIONAL CLIENTS

Execution of orders

Class of Instrument	EXECUTION - Exchange Traded Funds				
Notification if <1 average trade per business day in the previous year	N				
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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Euronext Paris (XPAR)	76.93%	71.65%	39.64%	60.36%	0.00%
Euronext Amsterdam (XAMS)	23.07%	28.35%	37.17%	62.83%	0.00%

Routing and Transmission of Orders (RTO)

Class of Instrument	RTO - Exchange Traded Funds				
Notification if <1 average trade per business day in the previous year	N				
Top five 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 a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
FLOW TRADERS (549300CLJI9XDH12XV51)	53.26%	3.82%	0.00%	100.00%	0.00%
JANE STREET (549300ZHEHX8M31RP142)	21.92%	2.42%	0.00%	100.00%	0.00%
SUSQUEHANNA ETF (635400IAV22ZOU1NFS89)	6.15%	0.34%	0.00%	100.00%	0.00%
OPTIVER (7245009KRY SAYB2QCC29)	5.36%	0.84%	0.00%	100.00%	0.00%
INSTINET (213800MXAKR2LA1VBM44)	4.28%	40.37%	55.39%	44.61%	0.00%

COMMENTS SPECIFIC TO EXCHANGE-TRADED PRODUCTS ACTIVITIES

To obtain the best possible result for the clients' ETF orders, the bank increased the use of ETF market makers via a request-for-quote model.

EMISSION ALLOWANCES

N/A

OTHER INSTRUMENTS

This category encompasses structured products. The Bank does not execute directly transactions bearing on structured products and transmits orders to manufacturers of products for which the Bank acts as a distributor.

Following our review with regards to our best execution criteria, no change for the list of brokers has been performed.

RETAIL CLIENTS

N/A

PROFESSIONAL CLIENTS

Routing and Transmission of Orders (RTO)

Class of instrument	Other instruments - structured products				
Notification if <1 average trade per business day in the previous year	Y				
Top five 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CITIGROUP GLOBAL MARKETS (XKZZ2JZF41MRHTR1V493)	43.33%	36.36%	N/A	N/A	0%
BNP PARIBAS (R0MUWSFPU8MPRO8K5P83)	30.00%	36.36%	N/A	N/A	0%
MORGAN STANLEY (4PQUHN3JPFGFNF3BB653)	20.00%	18.18%	N/A	N/A	0%
GOLDMAN SACHS (W22LROWP2IHZNB6K528)	6.67%	9.09%	N/A	N/A	0%

COMMENTS SPECIFIC TO STRUCTURED PRODUCTS ACTIVITIES

DegroofPetercam structured products are sourced by its Structured Product Team in collaboration with the product provider/product manufacturer/ counterparty (e.g. 3rd party). The Structured Product Team undertakes product vetting/approval and launching of products in DegroofPetercam. Product development is also based on specific requests initiated by Clients. Structured Product Team will source a structured product/investment solutions tailor-made to meet the specific requirements of the Client.

3 rd party/s i.e. issuer/s, are selected based on the following factors:

- Capability to provide attractive pricing conditions
- Ideas and service generation
- Capability to provide accurate execution reports in a timely manner
- Quality of the life cycle management
- Creditworthiness and reputation
- Has a history of providing required support including but not limited to documentation, term sheets and responses to comments or to complaints; and/or
- The accuracy and efficiency of the Counterparty's clearance and settlement process.

Where legitimate reliance is placed on Degroof Petercam when handling a Structured Product order, Degroof Petercam generally prioritizes execution factors as follows:

For a Structured Note/Product transaction,

- Likelihood of execution
- Price
- Costs
- Speed
- Size
- Other considerations

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