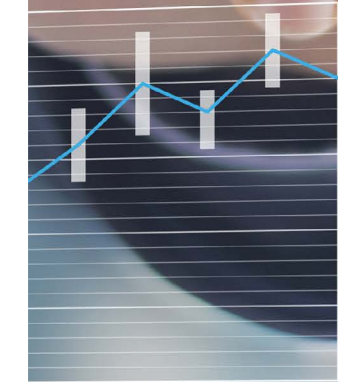
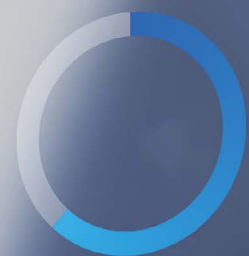




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Information on the top five execution venues and quality of execution obtained



Union Investment Privatfonds GmbH

25 May 2020

Regarding to MiFID II investment management companies are obliged to identify on their website, once a year and for each class of financial instruments, the top five execution venues in terms of trading volumes where they executed client orders in the preceding year, together with summary information regarding the quality of execution obtained (Delegated Regulation (EU) 2017/576 of the EU Commission / RTS 28).

However, this reporting requirement does not apply to all transactions, but only covers transactions within the scope of individual financial portfolio management. The top five execution venues and/or brokers are determined on the basis of these transactions only. Execution of transactions within the framework of managing investment fund assets are outside the scope of this report. Therefore, the information provided with this report is not representative of Union Investment Privatfonds GmbH overall trading activity.

An analysis of the top five execution venues in terms of trading volumes for all client orders executed (for professional investors) during the 2019 reporting period, broken down by class of financial instrument, is provided below – together with summary information regarding the quality of execution obtained.

Please refer to Delegated Regulation (EU) 2017/576 (RTS 28) for more details regarding this publication.

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1. Equities – Shares & Depositary Receipts

1.1 Tick size liquidity bands 5 and 6

Information on the top five brokers

Class of Instrument	Equities – Shares & Depositary Receipts – Tick size liquidity bands 5 and 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 porder)	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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	11,00 %	5,11 %	N.A.	N.A.	0,00 %
Credit Suisse International (E58DKGMJYYYYJLN8C3868)	8,34 %	6,44 %	N.A.	N.A.	0,00 %
EXANE (969500UP76J52A9OXU27)	8,26 %	5,48 %	N.A.	N.A.	0,00 %
UBS Europe SE (5299007QVIQ7IO64NX37)	7,97 %	7,89 %	N.A.	N.A.	0,00 %
Citigroup Global Markets Europe AG (6TJCK1B7E7UTXP528Y04)	6,50 %	5,55 %	N.A.	N.A.	0,00 %

1. Equities – Shares & Depositary Receipts

1.1 Tick size liquidity bands 5 and 6

Information on the top five brokers (Securities financing transactions)

Class of Instrument	Equities – Shares & Depositary Receipts – Tick size liquidity bands 5 and 6	
Notification if <1 average trade per business day in the previous year	N	
Top five Venues ranked in terms of volume (descending order)	Proportion of volume executed as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
BARCLAYS BANK PLC (G5GSEF7VJJP5I7OUK5573)	63,70 %	35,78 %
Société Générale SA (O2RNE8IBXP4R0TD8PU41)	9,21 %	5,50 %
Merrill Lynch International (GGDZP1UYGU9STUHRDP48)	5,79 %	2,75 %
J.P. Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	4,07 %	9,17 %
HSBC BANK PLC (MP6I5ZYZBEU3UXPYFY54)	3,60 %	5,50 %

1. Equities – Shares & Depositary Receipts

1.2 Tick size liquidity bands 3 and 4

Information on the top five brokers

Class of Instrument	Equities – Shares & Depositary Receipts – Tick size liquidity bands 3 and 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 porder)	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
EXANE (969500UP76J52A9OXU27)	17,72 %	13,08 %	N.A.	N.A.	0,00 %
Credit Suisse International (E58DKGMJYYYYJLN8C3868)	13,92 %	14,77 %	N.A.	N.A.	0,00 %
Citigroup Global Markets Europe AG (6TJCK1B7E7UTX-P528Y04)	8,35 %	8,20 %	N.A.	N.A.	0,00 %
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	7,11 %	5,16 %	N.A.	N.A.	0,00 %
UBS Europe SE (5299007QVIQ71O64NX37)	6,53 %	4,83 %	N.A.	N.A.	0,00 %

1. Equities – Shares & Depository Receipts

1.2 Tick size liquidity bands 3 and 4

Information on the top five brokers (Securities financing transactions)

Class of Instrument	Equities – Shares & Depository Receipts – Tick size liquidity bands 3 and 4	
Notification if <1 average trade per business day in the previous year	N	
Top five Venues ranked in terms of volume (descending order)	Proportion of volume executed as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
J.P. Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	23,29 %	27,45 %
BARCLAYS BANK PLC (G5GSEF7VJP5I7OUK5573)	21,43 %	15,69 %
MORGAN STANLEY & CO. INTERNATIONAL PLC (4PQUHN3JPF6FNF3BB653)	20,86 %	20,59 %
Credit Suisse Securities (Euro- pe) Limited (DL6FFRRLF74S- 01HE2M14)	10,89 %	5,88 %
Merrill Lynch International (GGDZP1UYGU9STUHRDP48)	8,30 %	10,78 %

1. Equities – Shares & Depositary Receipts

1.3 Tick size liquidity band 1 and 2

Information on the top five brokers

Class of Instrument	Equities – Shares & Depositary Receipts – Tick size liquidity band 1 and 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 porder)	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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	18,39 %	6,80 %	N.A.	N.A.	0,00 %
DZ PRIVATBANK S.A. (SVY0KHTJZBP60K295346)	9,93 %	19,43 %	N.A.	N.A.	0,00 %
SANFORD C. BERNSTEIN & CO., LLC (549300I7JYZHT7D5CO04)	9,02 %	7,83 %	N.A.	N.A.	0,00 %
UBS Europe SE (5299007QVIQ7IO64NX37)	5,86 %	6,72 %	N.A.	N.A.	0,00 %
HSBC BANK PLC (MP6I5ZYZBEU3UXPYFY54)	5,84 %	9,75 %	N.A.	N.A.	0,00 %

1. Equities – Shares & Depositary Receipts

1.3 Tick size liquidity band 1 and 2

Information on the top five brokers (Securities financing transactions)

Class of Instrument	Equities – Shares & Depositary Receipts – Tick size liquidity band 1 and 2	
Notification if <1 average trade per business day in the previous year	N	
Top five Venues ranked in terms of volume (descending order)	Proportion of volume executed as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
BARCLAYS BANK PLC (G5GSEF7VJP5I7OUK5573)	83,47 %	57,14 %
J.P. Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	14,86 %	28,57 %
Merrill Lynch International (GGDZP1UYGU9STUHRDP48)	1,67 %	14,29 %

1. Equities – Shares & Depositary Receipts

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Equities - Shares & Depositary Receipts“ class, given the relatively high availability of liquidity across numerous trading venues and the

availability of in depth price discovery, the highest priority is on the price and on the costs associated with order execution. For less liquid equities and equity certificates, whilst high priority is assigned to the speed and probability of execution, price and costs are the most important factors.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in complian-

1. Equities – Shares & Depositary Receipts

ce with applicable law and regulations as well as the BVI Rules of Conduct.

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. A transaction cost analysis (TCA) prepared by independent providers supports this evaluation process; the TCA also serves as a tool to monitor the quality of order execution, and to determine trading costs. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the ad-

dition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“. Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as

well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

2. Debt instruments

2.1 Bonds

Information on the top five brokers

Class of Instrument	Debt instruments – Bonds				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DZ PRIVATBANK S.A. (SVY0KHTJZBP60K295346)	12,41 %	2,51 %	N.A.	N.A.	0,00 %
J.P. Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	5,79 %	6,62 %	N.A.	N.A.	0,00 %
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	5,51 %	5,10 %	N.A.	N.A.	0,00 %
HSBC TRINKAUS & BURKHARDT AG (JUNT405OW8OY-5GN4DX16)	5,26 %	3,33 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LTWFZYICNSX8D621K86)	4,17 %	4,04 %	N.A.	N.A.	0,00 %

2. Debt instruments

2.1 Bonds

Information on the top five execution venues

Class of Instrument	Debt instruments – Bonds				
Notification if <1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending porder)	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
Bloomberg Trading Facility Limited (BMTF)	84,83 %	84,9 %	N.A.	N.A.	0,00 %
Tradeweb Europe Limited (TWEM)	9,83 %	8,29 %	N.A.	N.A.	0,00 %
MARKETAXESS (MAEL)	5,30 %	6,78 %	N.A.	N.A.	0,00 %
Tradeweb Europe Limited (TREU)	0,04 %	0,04 %	N.A.	N.A.	0,00 %

2. Debt instruments

2.1 Bonds

Information on the top five brokers (Securities financing transactions)

Class of Instrument	Debt instruments – Bonds	
Notification if <1 average trade per business day in the previous year	N	
Top five Venues ranked in terms of volume (descending order)	Proportion of volume executed as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
Société Générale SA (O2RNE8IBXP4R0TD8PU41)	18,08 %	7,61 %
BARCLAYS BANK PLC (G5GSEF7VJP5I7OUK5573)	13,45 %	13,77 %
BNP PARIBAS (ROMUWSFPU8MPRO8K5P83)	11,59 %	7,81 %
Banco Santander, S.A. (5493006QMFDDMYWIAM13)	9,35 %	4,52 %
UBS AG (BFM8T61CT2L1QCEMIK50)	7,11 %	5,96 %

2. Debt instruments

2.1 Bonds

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Debt instruments - Bonds“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assigning high priority to the probability of execution

is necessary in some situations – whereby this must not be at the expense of the price, which generally has similarly high priority. Since execution costs for debt securities are largely standardised, these are not given high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

2. Debt instruments

2.1 Bonds

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. A transaction cost analysis (TCA) prepared by independent providers supports this evaluation process; the TCA also serves as a tool to monitor the quality of order execution, and to determine trading costs. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“. Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network.

The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

2. Debt instruments

2.2 Money Markets Instruments

Information on the top five brokers

Class of Instrument	Debt instruments – Money Markets Instruments				
Notification if <1 average trade per business day in the previous year	Y				
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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DZ PRIVATBANK S.A. (SVY0KHTJZBP60K295346)	20,89 %	47,00 %	N.A.	N.A.	0,00 %
Landesbank Baden-Württemberg (B81CK4ESI35472RHJ606)	20,88 %	11,00 %	N.A.	N.A.	0,00 %
COMMERZBANK Aktiengesellschaft (851WYGNLUQLF-ZBSYGB56)	16,64 %	11,00 %	N.A.	N.A.	0,00 %
UniCredit Bank AG (2ZCNRR8UK83OBTEK2170)	9,80 %	4,00 %	N.A.	N.A.	0,00 %
Landesbank Hessen-Thüringen Girozentrale (DIZES5CFO5K3I5R58746)	9,68 %	6,00 %	N.A.	N.A.	0,00 %

2. Debt instruments

2.2 Money Markets Instruments

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Debt instruments - Money markets instruments“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assigning high priority to the pro-

bability of execution is necessary in some situations – whereby this must not be at the expense of the price, which generally has similarly high priority. Since execution costs for debt securities are largely standardised, these are not given high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

2. Debt instruments

2.2 Money Markets Instruments

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. A transaction cost analysis (TCA) prepared by independent providers supports this evaluation process; the TCA also serves as a tool to monitor the quality of order execution, and to determine trading costs. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“. Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network.

The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

3. Interest rates derivatives

3.1 Futures and options admitted to trading on a trading venue

Information on the top five brokers

Class of Instrument	Interest rates 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 execution venues ranked in terms of trading volumes (descending porder)	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
DZ PRIVATBANK S.A. (SVY0KHTJZBP60K295346)	61,92 %	69,00 %	N.A.	N.A.	0,00 %
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	19,68 %	15,23 %	N.A.	N.A.	0,05 %
JP Morgan AG, Frankfurt, Derivate - Brexit (549300ZK53CNGEEI6A29)	6,01 %	4,42 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LTWFZYICNSX-8D621K86)	4,95 %	6,31 %	N.A.	N.A.	10,61 %
JP Morgan AG, Frankfurt - Derivate Algo - Brexit (549300ZK53CNGEEI6A29)	2,49 %	1,61 %	N.A.	N.A.	0,00 %

3. Interest rates derivatives

3.1 Futures and options admitted to trading on a trading venue

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Interest rates derivatives - Futures and options admitted to trading on a trading venue“ class, due to (in some cases marked) variance in relation to the availability of liquidity, as-

signing high priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

3. Interest rates derivatives

3.1 Futures and options admitted to trading on a trading venue

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. A transaction cost analysis (TCA) supports this evaluation process; the TCA also serves as a tool to monitor the quality of order execution, and to determine trading costs. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“. Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken co-

operative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

3. Interest rates derivatives

3.2 Swaps, forwards, and other interest rates derivatives

Information on the top five brokers

Class of Instrument	Interest rates derivatives – Swaps, forwards, and other interest rates derivatives				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Citigroup Global Markets Limited (XKZZ2JZF41MRHTR1V493)	40,63 %	16,09 %	N.A.	N.A.	0,00 %
Nomura International PLC (DGQCSV2PHVF7I2743539)	10,83 %	3,83 %	N.A.	N.A.	0,00 %
J.P. Morgan AG (Frankfurt) (549300ZK53CNGEEI6A29)	9,70 %	24,14 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LTWFZYICNSX-8D621K86)	9,64 %	3,07 %	N.A.	N.A.	0,00 %
BARCLAYS BANK PLC (G5GSEF7VJP5I7OUK5573)	7,17 %	16,48 %	N.A.	N.A.	0,00 %

3. Interest rates derivatives

3.2 Swaps, forwards, and other interest rates derivatives

Information on the top five execution venues

Class of Instrument	Interest rates derivatives – Swaps, forwards, and other interest rates derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending porder)	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
Tradeweb Europe Limited (TREU)	100,00 %	100,00 %	N.A.	N.A.	0,00 %

3. Interest rates derivatives

3.2 Swaps, forwards, and other interest rates derivatives

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Interest rates derivatives - Swaps, forwards, and other interest rates derivatives“ class, due to (in some cases marked) variance in relation to the availability of liquidity,

assigning high priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

3. Interest rates derivatives

3.2 Swaps, forwards, and other interest rates derivatives

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“. Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management,

such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any dis-

counts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

4. Credit derivatives

4.1 Other credit derivatives

Information on the top five brokers

Class of Instrument	Credit derivatives – Other credit derivatives				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BARCLAYS BANK PLC (G5GSEF7VJP5I7OUK5573)	21,08 %	17,74 %	N.A.	N.A.	0,00 %
Citigroup Global Markets Limited (XKZZ2JZF41MR-HTR1V493)	17,10 %	13,76 %	N.A.	N.A.	0,00 %
BNP PARIBAS (ROMUWSFPU8MPRO8K5P83)	16,03 %	20,29 %	N.A.	N.A.	0,00 %
J.P. Morgan AG (Frankfurt) (549300ZK53CNGEEI6A29)	14,98 %	9,86 %	N.A.	N.A.	0,00 %
Goldman Sachs Bank Europe SE (8IBZUGJ7JPLH368JE346)	9,81 %	5,73 %	N.A.	N.A.	0,00 %

4. Credit derivatives

4.1 Other credit derivatives

Information on the top five execution venues

Class of Instrument	Credit derivatives – Other credit derivatives				
Notification if <1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending porder)	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
Tradeweb Europe Limited (TWEM)	99,43 %	97,89 %	N.A.	N.A.	0,00 %
Bloomberg Trading Facility Limited (BMTF)	0,57 %	2,11 %	N.A.	N.A.	0,00 %

4. Credit derivatives

4.1 Other credit derivatives

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Credit derivatives - Other credit derivatives“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assigning high priority to the probabili-

ty of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

4. Credit derivatives

4.1 Other credit derivatives

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“. Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management,

such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any dis-

counts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

5. Currency derivatives

5.1 Futures and options admitted to trading on a trading venue

Information on the top five brokers

Class of Instrument	Credit 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 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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DZ PRIVATBANK S.A. (SVY0KHTJZBP60K295346)	62,64 %	85,12 %	N.A.	N.A.	0,00 %
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	17,31 %	1,18 %	N.A.	N.A.	0,00 %
J.P. Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	12,17 %	6,10 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LTWFZYICNSX-8D621K86)	7,87 %	6,70 %	N.A.	N.A.	0,00 %
HSBC France S.A. (F0HUI1NY1AZMJMD8LP67)	0,01 %	0,31 %	N.A.	N.A.	0,00 %

5. Currency derivatives

5.1 Futures and options admitted to trading on a trading venue

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Currency derivatives - Futures and options admitted to trading on a trading venue“ class, due to (in some cases marked) variance in relation to the availability of liquidity,

assigning high priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

5. Currency derivatives

5.1 Futures and options admitted to trading on a trading venue

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“.

Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

5. Currency derivatives

5.2 Swaps, forwards, and other currency derivatives

Information on the top five brokers

Class of Instrument	Currency derivatives – Swaps, forwards, and other currency derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending porder)	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)	52,35 %	16,82 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LTFWZYICNSX-8D621K86)	25,34 %	13,18 %	N.A.	N.A.	0,00 %
Goldman Sachs Bank Europe SE (8IBZUGJ7JPLH368JE346)	5,37 %	5,91 %	N.A.	N.A.	0,00 %
Australia and New Zealand Banking Group Limited (JHE42UYNWWTJB8YTTU19)	4,06 %	26,82 %	N.A.	N.A.	0,00 %
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	2,57 %	0,91 %	N.A.	N.A.	0,00 %

5. Currency derivatives

5.2 Swaps, forwards, and other currency derivatives

Information on the top five execution venues

Class of Instrument	Currency derivatives – Swaps, forwards, and other currency derivatives				
Notification if <1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending porder)	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
FXALL (TRAL)	81,19 %	38,08 %	N.A.	N.A.	0,00 %
Bloomberg Trading Facility Limited (BMTF)	18,81 %	61,92 %	N.A.	N.A.	0,51 %

5. Currency derivatives

5.2 Swaps, forwards, and other currency derivatives

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Currency derivatives - Swaps, forwards, and other currency derivatives“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assigning

high priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

5. Currency derivatives

5.2 Swaps, forwards, and other currency derivatives

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“.

Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

6. Structured finance instruments

Information on the top five brokers

Class of Instrument	Structured finance instruments				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	10,56 %	5,57 %	N.A.	N.A.	0,00 %
Natixis SA (KX1WK48MPD4Y2NCUIZ63)	9,93 %	10,69 %	N.A.	N.A.	0,00 %
J.P. Morgan AG (Frankfurt) (549300ZK53CNGEEI6A29)	8,99 %	8,69 %	N.A.	N.A.	0,00 %
BNP PARIBAS (ROMUWSFPU8MPRO8K5P83)	7,78 %	7,57 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LTFWZYICNSX8D621K86)	6,13 %	4,45 %	N.A.	N.A.	0,00 %

6. Structured finance instruments

Information on the top five execution venues

Class of Instrument	Structured finance instruments				
Notification if <1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending porder)	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
Bloomberg Trading Facility Limited (BMTF)	94,78 %	89,10 %	N.A.	N.A.	0,00 %
MARKETAXESS (MAEL)	5,22 %	10,90 %	N.A.	N.A.	0,00 %

6. Structured finance instruments

Information on the top five brokers (Securities financing transactions)

Class of Instrument	Structured finance instruments	
Notification if <1 average trade per business day in the previous year	N	
Top five execution venues ranked in terms of trading volumes (descending porder)	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 (G5GSEF7VJP5I7OUK5573)	53,49 %	45,45 %
Nomura International PLC (DGQCSV2PHVF7I2743539)	15,88 %	18,18 %
J.P. Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	12,36 %	18,18 %
Merrill Lynch International (GGDZP1UYGU9STUHRDP48)	10,21 %	9,09 %
HSBC BANK PLC (MP6I5ZYZBEU3UXPYFY54)	4,59 %	4,55 %

6. Structured finance instruments

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Structured finance instruments“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assigning

high priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

6. Structured finance instruments

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“.

Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

7. Equity Derivatives

7.1 Options and Futures admitted to trading on a trading venue

Information on the top five brokers

Class of Instrument	Equity Derivatives – Options and Futures admitted to trading on a trading venue				
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 percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JP Morgan AG, Frankfurt, Derivate - Brexit (549300ZK53CNGEEI6A29)	42,98 %	11,21 %	N.A.	N.A.	0,00 %
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	28,27 %	15,06 %	N.A.	N.A.	0,00 %
DZ PRIVATBANK S.A. (SVY0KHTJZBP60K295346)	18,25 %	56,33 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LTWFZYICNSX-8D621K86)	6,47 %	7,36 %	N.A.	N.A.	0,00 %
J.P. Morgan Securities PLC (K6Q0W1PS1L1O4IQL9C32)	2,34 %	4,64 %	N.A.	N.A.	0,00 %

7. Equity Derivatives

7.1 Options and Futures admitted to trading on a trading venue

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Equity Derivatives - Options and Futures admitted to trading on a trading venue“ class, due to (in some cases marked) variance in relation to the availability of liquidity, as-

signing high priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

7. Equity Derivatives

7.1 Options and Futures admitted to trading on a trading venue

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. A transaction cost analysis (TCA) supports this evaluation process; the TCA also serves as a tool to monitor the quality of order execution, and to determine trading costs. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of exe-

cution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“. Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from

the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

8. Securitized Derivatives

8.1 Warrants and Certificate Derivatives

Information on the top five brokers

Class of Instrument	Securitized Derivatives – Warrants and Certificate Derivatives				
Notification if <1 average trade per business day in the previous year	Y				
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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	66,43 %	18,18 %	N.A.	N.A.	0,00 %
BofA Securities Europe SA (549300FH0WJAPEHTIQ77)	12,78 %	23,38 %	N.A.	N.A.	0,00 %
Deutsche Bank Aktiengesellschaft (7LWTFZYICNSX-8D621K86)	11,76 %	33,77 %	N.A.	N.A.	0,00 %
Merrill Lynch International (GGDZP1UYGU9STUHRDP48)	7,93 %	15,58 %	N.A.	N.A.	0,00 %
UBS Limited (REYPIEJN7XZHSUI0N355)	0,85 %	3,90 %	N.A.	N.A.	0,00 %

8. Securitized Derivatives

8.1 Warrants and Certificate Derivatives

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Securitized Derivatives – Warrants and Certificates Derivatives“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assigning high

priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

8. Securitized Derivatives

8.1 Warrants and Certificate Derivatives

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“.

Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

9. Exchange traded products

(Exchange traded funds, exchange traded notes and exchange traded commodities)

Information on the top five brokers

Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if <1 average trade per business day in the previous year	Y				
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	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COMMERZBANK Aktiengesellschaft (851WYG NLUQLF-ZBSYGB56)	48,79 %	15,38 %	N.A.	N.A.	0,00 %
Jane Street Financial Limited (549300ZHEHX8M31RP142)	30,46 %	30,77 %	N.A.	N.A.	0,00 %
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	14,37 %	15,38 %	N.A.	N.A.	0,00 %
HSBC BANK PLC (MP615ZYZBEU3UXPYFY54)	2,43 %	7,69 %	N.A.	N.A.	0,00 %
SUSQUEHANNA FINANCIAL GROUP, LLLP (549300E8QX0ZMRDC2M81)	1,99 %	7,69 %	N.A.	N.A.	0,00 %

9. Exchange traded products

(Exchange traded funds, exchange traded notes and exchange traded commodities)

Information on the top five execution venues

Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending porder)	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
Tradeweb Europe Limited (TWEM)	100,00 %	100,00 %	N.A.	N.A.	0,00 %

9. Exchange traded products

(Exchange traded funds, exchange traded notes and exchange traded commodities)

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assign-

ing high priority to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

9. Exchange traded products

(Exchange traded funds, exchange traded notes and exchange traded commodities)

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

The summary information regarding the quality of execution is solely based on transactions for clients classified as „Professional Clients“.

Where a Professional Client issues instructions with regard to the terms of execution within the scope of individual portfolio management, such instructions are always given priority and are implemented when executing orders, subject to the requirements of German investment law.

Union Investment’s shareholders are German cooperative banks, DZ BANK AG, as well as additional partner entities from the Volksbanken Raiffeisenbanken cooperative financial network. The Company does not perceive any conflict of interest in this connection; when placing orders, said shareholders are subject to the same strict rules for execution venues and/or brokers.

No specific arrangements are in place with any execution venues regarding payments made or received, or any discounts or rebates. Other non-monetary benefits may be obtained in the form of research and analysis services: these are designed for use in making investment decisions, in the interests of the investors.

10. Other instruments

Information on the top five brokers

Class of Instrument	Other instruments				
Notification if <1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending porder)	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
DZ PRIVATBANK S.A. (SVY0KHTJZBP60K295346)	51,24 %	33,33 %	N.A.	N.A.	0,00 %
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main (529900HNOAA1KXQJUQ27)	38,25 %	50,00 %	N.A.	N.A.	0,00 %
HSBC TRINKAUS & BURKHARDT AG (JUNT405OW8OY-5GN4DX16)	10,51 %	16,67 %	N.A.	N.A.	0,00 %

10. Other instruments

Information on the quality of execution obtained

Within the scope of individual portfolio management, orders are generally placed with execution venues and/or brokers subject to the proviso that such orders are placed at the best available terms and conditions prevailing at the time of placing the order, given all information available at that time. Quantitative and qualitative factors which may be relevant for achieving the best possible results include, in particular:

- the price of the financial instrument;
- the associated costs of order execution;
- the speed of order execution;

- the likelihood of execution and settlement; and
- the volume and type of order.

Further qualitative factors include the financial stability and credit rating of the execution venue and/or broker, the scope and consistency of their offer, as well as their access to sources of liquidity.

The priority of these factors is differentiated according to the respective class of financial instrument. For the „Other Instruments“ class, due to (in some cases marked) variance in relation to the availability of liquidity, assigning high priori-

ty to the probability of execution is necessary in some situations – whereby this must not be at the expense of the price and the costs associated with execution, which generally have similarly high priority.

Execution venues and/or brokers are selected on the basis of factors relevant for achieving the best possible results, in an independent process, and in accordance with all regulatory requirements, their Best Execution Policy, and in compliance with applicable law and regulations as well as the BVI Rules of Conduct.

10. Other instruments

A list providing an evaluation of execution venues and/or brokers, incorporating the quantitative and qualitative factors set out above, is prepared in regular intervals. Sustainably achieving the best possible results when placing orders may require changes to be made within the scope of regular evaluation of execution venues and/or brokers – including the addition, removal or exchange of execution venues and/or brokers.

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Disclaimer

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