# MIFID RTS28: annual 2024 report

Top 5 venue and qualitative review Cardano Risk Management B.V.

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#### 1. General Remarks

This document sets out, for each class of financial instrument, information on the top five execution venues where Cardano Risk Management BV ('Cardano') executed or placed client orders in 2024. The document also highlights a summary of the analysis and conclusions we took from monitoring best execution. The following commentary applies to all our trading for each class of financial instrument.

#### Scope of financial instruments

The scope of instruments is provided in Annex 1 of RTS 28.

#### **Client categorization**

This publication covers transitions executed by Cardano Risk Management B.V. on behalf of institutional clients with segregated mandates, all classified as Professional Clients. Retail Clients are not in scope.

### Close links, conflicts of interest or common ownership with execution venues

Cardano does not have any close links or common ownership or arrangements concerning rebates with respect to any execution venue used to execute orders. Therefore, there are no conflicts of interest with any venue we currently use for execution. In addition, Cardano's "Inducements, Non-Monetary Benefits & Research Policy" covers all potential conflicts that may arise between Cardano (or its personnel) and any of the venues/counterparties it engages with.

#### **Execution Monitoring**

For monitoring the effectiveness of our execution, Cardano has a 2-tier process in place. The first step covers the pre-trade process of identifying the best possible trade routing:

- Cardano Trading ('CT') is responsible for determining the execution strategy best fit to a trade instruction.
   The strategy differs per instrument class, factors in any restrictions that may apply (e.g. counterparty restrictions per client) and is targeted towards meeting the clients' objectives in the best possible manner.
- In order to challenge the fairness of pricing at the point of execution, CT must have access to a midmarket reference pricing:
  - To the extent available, we use independent benchmark data for this purpose;
  - For some of the more bespoke OTC instruments we transact in, we use in-house models to construe
    mid-market reference prices. Independent benchmark data feeds into the models. Supported with
    other relevant information (e.g. ISDA terms, counterparty intelligence), this determines our mid-market
    position;
  - Cardano's Model Approval Committee is responsible for making sure our models are reflective of the
    latest developments in valuing OTC derivatives and challenges any inputs used. The committee
    meets monthly. All relevant internal stakeholders have a seat in the committee (e.g. Quant team,
    Trading, Valuation team)
- CT employs a skilled team of traders, knowledgeable in the instruments they transact in.
- CT is at the forefront of new regulations

 regulatory developments which may influence pricing of the instruments we transact in (e.g. Basel-III, EMIR);

Our second step covers post-trade analysis. On a quarterly basis and per product type, CT ranks the performance of all OTC counterparties based upon a wide set of criteria. CT uses transaction-based information (e.g. volumes, hit ratio's and transaction cost analytics from the platforms we use) and includes other criteria we deem relevant in assessing counterparties (e.g. pre- and post-trade service levels, coverage, speed and flexibility in contract negotiations). The results feed into continuous dialogues we have with counterparties. If need be, any pressing or noteworthy matters we run into whilst trading, will be discussed in any of the weekly CT team meetings and escalated to our senior sales relations at the banks.

Post-trade information also assists us to identify possible factors to improve execution. Where deemed appropriate, we use independent third-party transaction costs analysis for this purpose.

To the extent we use electronic trading venues, we closely monitor the competitive landscape (e.g. new entrants or new services that have become available) and review our choice of venues to determine if they still offer the best possible conditions for the product suite we use the venues for.

With respect to exchange traded instruments (futures & options), we monitor our brokers and keep track of the algorithms they offer for trading and review their pricing schedules.

#### Assessment of the quality of execution

The Compliance and Execution Committee (consisting of senior compliance, senior trading and senior business staff) reviewed transaction costs. The overall conclusion was that realized transaction costs are in line with expectations given our execution policy. We are comfortable in stating we've achieved good trading outcomes for and on behalf of our clients over 2024. We remain cautious and continue to monitor our trading strategies, counterparties, electronic trading venues and new developments to continue delivering best execution.

The remainder of this document sets out the top-5 venues per class of financial instrument and details some instrument observations drawn from monitoring best execution.

#### 2. Top five execution venues

Please find below our top five execution venues, split per class of financial instrument.

#### A: Equity - Shares & Depositary Receipts

Cardano did not execute orders in these classes of instrument in the reporting period.

Appendix 1:	Class	Appendix 2: Shares & Depositary Receipts: Tick size liquidity bands 5 & 6 (from 2000 trades per day)					
of Instrument							
Appendix 3:	Notif	Appendix 4:	NA				
ication if < 1 average	e trade						
per business day in	the						
previous year							
Appendix 5:	Тор	Appendix 6:	Pro	Appendix 7: Pro	Appendix 8:	Appendix 9:	Appendix 10:
five execution venu	es	portion of volume tr	aded	portion of orders executed	of passive orders	of aggressive	of directed orders
ranked in terms of t	rading	as a % of total in that	class	as a % of total in that class		orders	
volumes (descendir	ng						
order)							
Appendix 11:	Not	Appendix 12:		Appendix 13:	Appendix 14:	Appendix 15:	Appendix 16:
Applicable							

Class of Instrument	Shares & Depositary Receipts: Tick size liquidity bands 3 & 4 (from 80 to 1999 trades per day)				
Notification if < 1 average trade per business day in the previous year	NA				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Not Applicable					

Class of Instrument	Shares & Deposita per day)	ry Receipts: Tick size I	iquidity band	ls 1 & 2 (from 1 t	to 79 trades
Notification if < 1 average trade per business day in the previous	NA				
year					
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Not Applicable					

#### **B: Debt instruments**

#### Bonds

Notification if < 1 average trade per business day in the previous year	No				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Tradeweb Europe Ltd (2138001WXZQOPMPA3D50)	85%	78%	NA	NA	0%
Bofa Securities Europe SA (549300FHOWJAPEHTIQ77	3%	5%	0%	100%	0%
BNP PARIBAS (ROMUWSFPU8MPRO8K5P83)	3%	3%	0%	100%	0%
Citigroup Global Markets Europe AG (6TJCK1B7E7UTXP528Y04)	2%	2%	0%	100%	0%
Goldman Sachs Bank Europe SE (8IBZUGJ7JPLH368JE346)	2%	2%	0%	100%	0%

Class of Instrument	Bonds: information on the top five counterparties on Tradeweb				
Notification if < 1 average trade per business day in the previous year	No				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
HSBC France	12%	11%	NA	NA	0%
(F0HUI1NY1AZMJMD8LP67)					
NATWEST MARKETS NV	11%	8%	NA	NA	0%
(X3CZP3CK64YBHON1LE12)					
Nomura Financial Products	10%	11%	NA	NA	0%
Europe GmbH					
(5493002XYZZ0CGQ6CB58)					
DEUTSCHE BANK	7%	11%	NA	NA	0%
AKTIENGESELLSCHAFT					
(7LTWFZYICNSX8D621K86)					
ABN AMRO BANK N.V.	7%	7%	NA	NA	0%
(BFXS5XCH7N0Y05NIXW11)					

#### Notes drawn from monitoring the quality of execution:

Item	Analysis and conclusions
Relative importance given to price, costs, speed, likelihood of execution or other considerations.	When trading bonds, highest priority is given to achieving best price / lowest costs. Speed and likelihood of execution are important if the client gave a specific timeframe to an order.
Arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.	Cardano pays standard license fees set by the venues. Cardano does not have other fee arrangements with the venues used. No discounts, rebates or non-monetary benefits were received.

Explanation of how the investment firm has used any data or tools relating to the quality of execution.	Trade execution reports are used to analyse transaction costs in terms of achieved price relative to mid-market levels. Mid-market levels are determined by price information from different platforms, typically Tradeweb and Bloomberg for the instruments we transact in.
	Cardano uses Tradeweb to execute the majority of the bond transactions. Alternatively, it is also possible to transact via voice of Bloomberg chat. We performed a review to substantiate our choice for Tradeweb. Having regard to the product suite we transact in, Bloomberg and MarketAxess / Bondvison were identified as the most prominent competitors. We have no indications that pricing and/or liquidity are better as compared to compared to Tradeweb. Therefore, we are comfortable to continue using Tradeweb, but will continue monitoring competing venues to ensure we continue to achieve the best possible result for clients.
	RTS 28 information and transaction costs analysis information are available on Tradeweb. We use this information to identify possible factors to improve execution. The information is of help to identify parties that consistently under / outperform in certain instruments which feeds into our continuous dialogue we have with the counterparties we have available for trading

#### C: Interest rates derivatives

Cardano did not execute orders in futures and or options on a venue in the reporting period.

#### Futures and options admitted to trading on a venue (brokers used)

Notification if < 1 average trade per business day in the previous year	NA				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
NA					

#### Swaps, forwards and other interest rate derivatives

Notification if < 1 average trade per business day in the previous year	No				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Tradeweb Europe Ltd	69%	65%	0%	100%	0%
Morgan Stanley Europe SE					
(54930056FHWP7GIWYY08)	6%	8%	0%	100%	0%
J.P. Morgan AG					
(549300ZK53CNGEEI6A29)	4%	6%	0%	100%	0%
Citigroup Global Markets Europe					
AG (6TJCK1B7E7UTXP528Y04)	3%	5%	0%	100%	0%
Bofa Securities Europe SA					
(549300FH0WJAPEHTIQ77	2%	5%	0%	100%	0%

Swaptions are included as "other interest rate derivatives"

Class of Instrument	Swaps: information on the top five counterparties on Tradeweb						
Notification if < 1 average trade per business day in the previous year		No					
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders		
J.P. Morgan AG (549300ZK53CNGEEI6A29)	23%	9%	0%	100%	0%		
Nomura Financial Products Europe GmbH							
(5493002XYZZOCGQ6CB58)  Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	21%	11%	0%	100%	0%		
Goldman Sachs Bank Europe SE (8IBZUGJ7JPLH368JE346)	19%	11%	0%	100%	0%		
Bofa Securities Europe SA (549300FH0WJAPEHTIQ77	9%	9%	0%	100%	0%		

Notes drawn from monitoring the quality of execution:

Item	Analysis and conclusions
Relative importance given to price, costs, speed, likelihood of execution or other considerations.	When trading interest rate swaps, forwards and other interest rate derivatives, best price / lowest costs and likelihood of execution are equally important. Speed of execution is important if the client gave a specific timeframe to an order.
Arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.	Cardano pays standard license fees set by the venues. Cardano does not have other fee arrangements with the venues used. No discounts, rebates or non-monetary benefits were received.
Explanation of how the investment firm has used any data or tools relating to the quality of execution.	On a quarterly basis the potential counterparties to interest rate derivatives are evaluated based on a wide set of criteria including hit ratio, pre- and post-trade service levels, speed and flexibility in contract negotiation.
	Pre-trade, traders assess prices relative to a mid-market reference price. This includes the determination whether cleared or non-cleared transactions will lead to the best overall outcome.
	Independent reference data is used to the extent available: this includes, but is not limited to, liquidity in terms of bid or offered volumes and pricing (interest rates). Supported with other information relevant to a trade, e.g. intelligence from counterparties and specific agreements in ISDAs between client and counterparty, this data is used by Cardano to establish a mid-market reference price for each transaction. The spread to mid-market is mirrored against other best execution factors such as liquidity and client objectives/restrictions to determine the attractiveness of the price offered by a counterparty
	Analysis of realized transaction costs for all trades in 2024 showed a consistent pattern. No notable exceptions, without any rationale to it, have been identified demonstrating our consistent pre-trade approach to best execution.

#### **D: Credit derivatives**

#### Futures and options admitted to trading on a trading venue

Cardano did not execute orders in this class of instrument in the reporting period.

Notification if < 1 average trade per	NA				
business day in the previous year					
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Not Applicable					

#### Other credit derivatives

Notification if < 1 average trade per business day in the previous year	NA				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Not Applicable					

#### **E:** Currency derivatives

#### Futures and options admitted to trading on a trading venue

Cardano did not execute orders in this class of instrument in the reporting period.

Notification if < 1 average trade per business day in the previous year	NA				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Not Applicable					

#### Swaps, forwards and other currency derivatives

Notification if < 1 average trade per business day in the previous year	No				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
FXall, operated by Financial & Risk Transaction Services Ireland Limited, (635400MQZIPRVPDDZK76)	100%	100%	N/A	N/A	0%

Class of Instrument	Swaps, forwards and other currency derivatives: information on the top five counterparties on FXall					
Notification if < 1 average trade per business day in the previous year	No					
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders	
J.P. Morgan AG (549300ZK53CNGEEI6A29)	17%	18%	N/A	N/A	0%	
HSBC France (F0HUI1NY1AZMJMD8LP67)	11%	14%	N/A	N/A	0%	
Zürcher Kantonalbank (165GRDQ39W63PHVONY02)	10%	4%	N/A	N/A	0%	
DEUTSCHE BANK AKTIENGESELLSCHAFT (7LTWFZYICNSX8D621K86)	10%	10%	N/A	N/A	0%	
Bofa Securities Europe SA (549300FH0WJAPEHTIQ77)	10%	6%	N/A	N/A	0%	

FX spot transactions are included as "other currency derivatives"

Notes drawn from monitoring the quality of execution:

Item	Analysis and conclusions
Relative importance given to price, costs, speed, likelihood of execution or other considerations.	When trading currency derivatives, best price / lowest costs and likelihood of execution are equally important. Speed of execution is important if the client gave a specific timeframe to an order.
Arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.	Cardano has no fee arrangements with the venue used. No discounts, rebates or non-monetary benefits were received.
Explanation of how the investment firm has used any data or tools relating to the quality of execution.	On a quarterly basis the potential counterparties to currency derivatives are evaluated based on a wide set of criteria including but not limited to hit ratio, pre- and post-trade service levels, speed and flexibility in contract negotiation.
	Cardano uses FXall to execute FX-spot, FX-forward and FX- swap transactions. We performed a review to substantiate this choice. Given the product suite we transact in, Bloomberg, FXConnect, FX SpotStream and 360T have been identified as prominent competitors. We have no indications that pricing and/or liquidity on these venues is better than FXall. We are comfortable to continue using FXall as part of our process to achieve best execution on behalf of our clients and we will continue to monitor the market landscape.
	In order to cater for the RTS 28 and transaction costs analysis we make use of an independent third party TCA provider. Using, amongst others, hit ratios per currency pair and tenor, market impact and other relevant execution factors we evaluate and improve our execution on an ongoing basis. It also assists in identifying parties that consistently under / outperform and feeds into our continuous dialogue we have with the counterparties we have available for trading.
	Appendix: We completed a review of the transaction costs incurred over 2024. Results show a consistent pattern for the different instruments in the currencies traded. Based upon both high-level results and monitoring of exceptions / worst performing trades we have confirmed our consistent approach to best execution.

#### F: Structured finance instruments

Cardano did not execute orders in this class of instrument in the reporting period.

<ul> <li>Notification if &lt; 1 average trade per business day in the previous year</li> </ul>	• NA		1 51		
Top five execution venues ranked in terms of trading volumes (descending order)	<ul><li>Proportion of volume traded as a % of total in that class</li></ul>	<ul> <li>Proportion of orders executed as a % of total in that class</li> </ul>	• % of passive orders	<ul><li>% of aggressive orders</li></ul>	• % of directed orders
Not Applicable	•	•	•	•	•

#### **G**: Equity Derivatives

#### Options and Futures admitted to trading on a trading venue (broker used)

<ul> <li>Notification if &lt; 1 average trade per business day in the previous year</li> </ul>	• Yes				
Top five execution venues ranked in terms of trading volumes (descending order)	<ul> <li>Proportion of volume traded as a % of total in that class</li> </ul>	<ul> <li>Proportion of orders executed as a % of total in that class</li> </ul>	• % of passive orders	<ul> <li>% of aggressive orders</li> </ul>	• % of directed orders
• NA	•	•	•	•	•
•	•	•	•	•	•

#### Swaps and other equity derivatives

Notification if < 1 average trade per business day in the previous year	Yes				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
BNP Paribas	31%	23%	N/A	N/A	N/A
(ROMUWSFPU8MPRO8K5P83)					
J.P. Morgan AG	19%	18%	N/A	N/A	N/A
(549300ZK53CNGEEI6A29)					
UBS AG	18%	18%	N/A	N/A	N/A
(BFM8T61CT2L1QCEMIK50)					
Morgan Stanley Europe SE	15%	18%	N/A	N/A	N/A
(54930056FHWP7GIWYY08)					
Goldman Sachs Bank Europe SE (8IBZUGJ7JPLH368JE346)	10%	14%	N/A	N/A	N/A

#### Notes drawn from monitoring the quality of execution:

Item	Analysis and conclusions
Relative importance given to price, costs, speed, likelihood of execution or other considerations.	When trading equity option and swaps, best price / lowest costs and likelihood of execution are equally important. Speed of execution is important if the client gave a specific timeframe to an order.
Arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.	Cardano has no fee arrangements with the venues used. No discounts, rebates or non-monetary benefits were received.
Explanation of how the investment firm has used any data or tools relating to the quality of execution.	On a quarterly basis the potential counterparties to equity derivatives are evaluated based on a wide set of criteria including hit ratio, pre- and post-trade service levels, speed and flexibility in contract negotiation.  At the point of execution, traders asses prices relative to a mid-market reference price. Independent
	reference data is used to the extent available: this includes, but is not limited to dividends, volatility skews and correlations received from a contracted data vendor. Supported with other information relevant to a trade (e.g. intelligence from counterparties), this data is used by Cardano to establish a mid-market reference price for each transaction. The spread to mid-market is mirrored against other best execution factors such as liquidity and client objectives/restrictions to determine the attractiveness of the price offered by a counterparty.
	We analysed realized transaction costs for 2024 and found a consistent pattern in terms of transaction cost. No notable exceptions, without any rationale to it, have been identified demonstrating our consistent pre-trade approach to best execution.

#### **H: Securitized Derivatives**

Cardano did not execute orders in these classes of instrument in the reporting period.

#### Warrants and Certificate Derivatives

Class of Instrument	Warrants and Certificate Derivatives				
Notification if < 1 average trade per business day in the previous year	NA				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Not Applicable					

#### Other securitized derivatives

Class of Instrument	Other securitized derivatives				
Notification if < 1 average trade per	NA				
business day in the previous year					
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Not Applicable					



#### I: Commodities derivatives and emission allowances Derivatives

#### Options and Futures admitted to trading on a trading venue

Cardano did not execute orders in this class of instrument in the reporting period.

Class of Instrument	Options and Futures admitted to trading on a trading venue						
Notification if < 1 average trade per business day in the previous year	NA						
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders		
Not Applicable							

#### Other commodities derivatives and emission allowances derivatives

Class of Instrument	Other commodities derivatives and emission allowances derivatives							
Notification if < 1 average trade per business day in the previous year	NA							
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders			
Not Applicable								

#### J: Contracts for difference

Cardano did not execute orders in this class of instrument in the reporting period.

Ourue	and that excepte or at		1113 01433 0	HISTIC	iniont in the	, repor	ung	JCHOG	•		
1.	Notification if < 1 average	2.	NA								
trade	per business day in the previous										
year											
3.	Top five execution venues	4.	Proportion	5.	Proportion	6.	%	7.	% of	8.	%
ranked	d in terms of trading volumes	of volu	me traded as a	of orde	rs executed as a	of pas	sive	aggr	essive	of dire	ected
(desce	ending order)	% of to	otal in that class	% of to	tal in that class	orde	ers	or	ders	orde	ers
9.	Not Applicable	1	0.	1	1.	12.		13.		14.	

# K: Exchange traded products (exchange traded funds, exchange traded notes and exchange traded commodities)

Cardano did not execute orders in this class of instrument in the reporting period.

	otification if < 1 average ness day in the previous	16.	NA								
year											
17. To	p five execution venues	18.	Proportion	19.	Proportion	20.	%	21.	% of	22.	%
ranked in term	ns of trading volumes	of volum	e traded as a	of orders	executed as a	of pass	ive	aggre	ssive	of direc	ted
(descending o	order)	% of tota	l in that class	% of tota	al in that class	orde	S	orde	ers	orde	rs
23. No	ot Applicable	24.		25.		26.		27.		28.	

#### L: Emission allowances

Cardano did not execute orders in this class of instrument in the reporting period.

29. Notification if < 1 average trade per business day in the previous	30. NA				
year					
31. Top five execution venues	32. Proportion	33. Proportion	34. %	35. % of	36. %
ranked in terms of trading volumes	of volume traded as a	of orders executed as a	of passive	aggressive	of directed
(descending order)	% of total in that class	% of total in that class	orders	orders	orders
37. Not Applicable	38.	39.	40.	41.	42.

#### M: Other instruments

#### **Inflation Linked Swaps**

Notification if < 1 average trade per business day in the previous year	yes				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a % of total in that class	Proportion of orders executed as a % of total in that class	% of passive orders	% of aggressive orders	% of directed orders
Goldman Sachs Bank Europe SE (8IBZUGJ7JPLH368JE346)	65%	50%	NA	NA	NA
Société Générale SA (O2RNE8IBXP4R0TD8PU41)	26%	25%	NA	NA	NA
BARCLAYS BANK IRELAND PUBLIC LIMITED COMPANY (2G5BKIC2CB69PRJH1W31	9%	25%	NA	NA	NA
NA					
NA					

#### Notes drawn from monitoring the quality of execution:

Item	Analysis and conclusions
Relative importance given to price, costs, speed, likelihood of execution or other considerations.	When trading Inflation Linked Swaps, best price / lowest costs and likelihood of execution are equally important. Speed of execution is important if the client gave a specific timeframe to an order.
Arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.	Cardano has no fee arrangements with the venues used. No discounts, rebates or non-monetary benefits were received.
Explanation of how the investment firm has used any data or tools relating to the quality of execution.	On a quarterly basis the potential counterparties to Inflation Linked Swaps are evaluated based on a wide set of criteria including hit ratio, pre- and post-trade service levels, speed and flexibility in contract negotiation.
	At the point of execution, traders asses prices relative to a mid-market reference price. This includes the determination whether cleared or non-cleared transactions will lead to the best overall outcome. Independent reference data is used to the extent available: this includes, but is not limited to breakeven rates, seasonalities and interest rates. Supported with other information relevant to a trade (e.g. from counterparties and specific agreements in the ISDAs between clients and counterparties) relevant to a trade, this data is used by Cardano to establish a mid-market reference price for each transaction. The spread to mid-market is mirrored against other best execution factors such as liquidity and client objectives/restrictions to determine the attractiveness of the price offered by a counterparty
	We have analysed realized transaction costs for 2024 and found a consistent pattern in terms of transaction cost. No notable exceptions, without any rationale to it, have been identified demonstrating our consistent pre-trade approach to best execution.



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