

Venom Trading - Held NMS Stocks and Options Order Routing Public Report

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1st Quarter, 2023

January 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
99.80	0.00	81.36	18.64	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Nasdaq Stock Market (XNAS)	23.26		14.37	62.09		0		-211	-8.6146	3,120	27.6541	0	
IBKR ATS (IATS)	21.38		26.08	0.88		0		0	0.0000	0	0.0000	0	
New York Stock Exchange (XNYS)	7.52		3.10	26.81		0		-86	-21.7382	320	19.7823	0	
MEMX LLC (MEMX)	6.02		7.37	0.11		0		-108	-29.8523	0	23.0000	0	
CBOE EDGX Exchange (EDGX)	5.37		5.89	3.08		0		-143	-24.9983	0	32.0000	0	
NYSE Arca (ARCX)	5.26		6.29	0.77		0		-146	-15.5646	10	24.8646	0	
IEX (IEXD)	3.75		4.61	0.00		0		-21	-9.2441	0		0	
HRT Execution Services LLC (HRTF)	3.44		4.23	0.00		0		0	0.0000	0		0	
CBOE BZX Exchange (BATS)	3.34		4.10	0.00		0		-47	-10.3969	0		0	
XTX Execution Services LLC (XTXE)	2.76		3.17	0.99		0		0	0.0000	0	0.0000	0	
CBOE EDGA Exchange (EDGA)	2.40		2.94	0.00		0		16	17.2208	0		0	
UBS ATS (UBSA)	2.21		2.72	0.00		0		0	0.0000	0		0	

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
SG Americas Securities, LLC (SGAS)	2.13		2.62	0.00		0		0	0.0000	0		0	
Virtu Americas LLC "PRO" (VIRT)	1.72		2.11	0.00		0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

New York Stock Exchange (XNYS):

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MEMX LLC (MEMX):

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CBOE EDGX Exchange (EDGX):

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IEX (IEXD):

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CBOE BZX Exchange (BATS):

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CBOE EDGA Exchange (EDGA):

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January 2023

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
98.39	0.01	65.41	34.39	0.18

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Nasdaq Stock Market (XNAS)	26.12	100.00	12.29	52.02	96.15	0		-1,424	-19.4601	5,721	18.4385	4	16.5306
IBKR ATS (IATS)	10.80	0.00	16.14	0.72	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	10.37	0.00	10.70	9.81	0.00	0		-991	-16.3560	3,621	29.9403	0	
New York Stock Exchange (XNYS)	7.46	0.00	3.38	15.26	0.00	0		-280	-24.4970	2,526	17.6201	0	
CBOE EDGX Exchange (EDGX)	6.93	0.00	4.93	10.78	0.00	0		-455	-20.7839	129	8.0490	0	
CBOE BZX Exchange (BATS)	4.11	0.00	6.23	0.10	0.00	0		-343	-25.4693	0	16.0000	0	
MEMX LLC (MEMX)	3.46	0.00	5.02	0.52	0.00	0		-247	-27.8235	10	23.2933	0	
IEX (IEXD)	3.26	0.00	4.93	0.10	0.00	0		-60	-9.6694	0	0.0000	0	
HRT Execution Services LLC (HRTF)	3.00	0.00	4.59	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	2.85	0.00	1.44	5.51	3.85	0		-1	-0.2290	0	0.3871	0	
Citadel Securities "PRO" (CDRG)	2.79	0.00	4.27	0.00	0.00	0		0	0.0000	0		0	
MIAX PEARL Equities (EPRL)	2.75	0.00	1.94	4.30	0.00	0		-60	-25.5394	10	29.0000	0	
UBS ATS (UBSA)	2.72	0.00	4.16	0.00	0.00	0		0	0.0000	0		0	
Virtu Americas LLC "PRO" (VIRT)	1.98	0.00	3.03	0.00	0.00	0		0	0.0000	0		0	
CBOE EDGA Exchange (EDGA)	1.88	0.00	2.86	0.04	0.00	0		56	15.4440	-0	-30.0000	0	

Material Aspects:

Nasdaq Stock Market (XNAS):

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IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

NYSE Arca (ARCX):

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CBOE EDGX Exchange (EDGX):

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CBOE BZX Exchange (BATS):

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IEX (IEXD):

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CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MIAX PEARL Equities (EPRL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGA Exchange (EDGA):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

January 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
99.67	0.00	46.56	52.40	1.04

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE Arca Options (ARCO)	15.82		9.88	21.41	0.00	0		-597	-50.8061	2,186	69.6781	0	
Cboe EDGX Options Exchange (EDGO)	15.61		7.18	23.40	0.00	0		283	23.3076	1,580	20.9061	0	
CBOE C2 Exchange (C2OX)	14.04		5.25	22.14	0.00	0		-1,349	-44.0546	1,433	41.9631	0	
MIAX PEARL (MPRL)	12.03		9.58	14.44	0.00	0		-2,570	-37.4031	55	24.0699	0	
Nasdaq MRX (MCRY)	7.76		16.61	0.05	0.00	0		1,262	32.0231	3	26.8462	0	
Nasdaq BX	5.19		11.16	0.00	0.00	0		-596	-22.8496	0		0	

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Options (XBXX)													
Chicago Board Options Exchange (XCBO)	4.70		6.52	3.17	0.00	0		7,842	41.4307	-391	-25.3799	0	
Nasdaq PHLX (XPHL)	3.72		3.77	1.81	97.73	0		52	3.3915	0	0.0000	0	
Nasdaq Options Market (XNDQ)	3.44		5.15	1.99	0.00	0		-701	-14.6463	48	75.8571	0	
BOX Exchange (XBOX)	3.30		6.98	0.09	0.00	0		4,615	55.8801	0		0	
Cboe BZX Options Exchange (BATS)	3.15		4.79	1.77	0.00	0		-983	-52.7429	37	35.0000	0	
NYSE American Options (AMXO)	2.66		1.58	3.67	0.00	0		72	7.8586	0	0.0000	0	

Material Aspects:

NYSE Arca Options (ARCO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Cboe EDGX Options Exchange (EDGO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE C2 Exchange (C2OX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MIAX PEARL (MPRL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq MRX (MCRY):

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Nasdaq BX Options (XBXO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Chicago Board Options Exchange (XCBO):

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Nasdaq PHLX (XPHL):

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Nasdaq Options Market (XNDQ):

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BOX Exchange (XBOX):

An affiliate under common control with IBKR has a substantial, minority investment in the Boston Options Exchange Group LLC, which operates the Boston Options Exchange. To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Cboe BZX Options Exchange (BATS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE American Options (AMXO):

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February 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
99.73	0.00	72.85	27.15	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Nasdaq Stock Market (XNAS)	29.58		16.18	65.51		0		-379	-10.7163	4,628	28.0852	0	
IBKR ATS (IATS)	16.85		22.85	0.74		0		0	0.0000	0	0.0000	0	
CBOE EDGX Exchange (EDGX)	6.88		6.32	8.40		0		-135	-9.1706	2	15.9242	0	
New York Stock Exchange (XNYS)	6.36		2.74	16.06		0		-159	-28.1396	587	19.8618	0	
NYSE Arca (ARCX)	6.25		7.81	2.08		0		-203	-10.3902	3	25.0000	0	
MEMX LLC (MEMX)	5.79		7.24	1.93		0		-144	-30.0000	8	25.9938	0	
CBOE BZX Exchange (BATS)	3.89		5.32	0.05		0		-112	-24.2133	0	16.0000	0	
HRT Execution Services LLC (HRTF)	3.29		4.51	0.00		0		0	0.0000	0		0	
IEX (IEXD)	3.27		4.40	0.25		0		-48	-9.6977	0	0.0000	0	
XTX Execution Services LLC (XTXE)	2.70		3.44	0.69		0		0	0.0000	0	0.0000	0	

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CBOE EDGA Exchange (EDGA)	2.07		2.84	0.00		0		19	17.6290	0		0	
Nasdaq PSX (XPSX)	1.58		2.14	0.10		0		4	1.5260	0		0	
MIAX PEARL Equities (EPRL)	1.46		2.01	0.00		0		-30	-29.0000	0		0	
CBOE BYX Exchange (BATY)	1.40		0.35	4.20		0		-0	-0.9159	0	2.0000	0	

Material Aspects:

Nasdaq Stock Market (XNAS):

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Nasdaq PSX (XPSX):

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MIAX PEARL Equities (EPRL):

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99.54	0.00	56.93	43.02	0.05

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Nasdaq Stock Market (XNAS)	30.82		11.87	55.82	100.00	0		-4,038	-20.1700	14,484	11.0307	-0	-3.5593
New York Stock Exchange (XNYS)	12.33		4.46	22.76	0.00	0		-1,332	-21.5538	8,725	19.3048	0	
IBKR ATS (IATS)	8.67		14.81	0.54	0.00	0		0	0.0000	0	0.0000	0	
CBOE EDGX Exchange (EDGX)	8.18		6.23	10.76	0.00	0		-1,836	-23.7187	84	10.2514	0	
NYSE Arca (ARCX)	7.56		9.35	5.21	0.00	0		-2,923	-23.4478	4,053	31.1558	0	
HRT Execution Services LLC (HRTF)	3.48		6.11	0.00	0.00	0		0	0.0000	0		0	
MEMX LLC (MEMX)	3.34		5.43	0.59	0.00	0		-623	-26.7663	9	28.0000	0	
IEX (IEXD)	3.07		5.33	0.09	0.00	0		-84	-8.7808	0	0.0000	0	
CBOE BZX Exchange (BATS)	3.05		5.28	0.10	0.00	0		-898	-28.2890	2	16.0000	0	
CBOE BYX Exchange (BATY)	2.34		1.61	3.31	0.00	0		-55	-3.8724	0	1.6909	0	
Citadel Securities "PRO" (CDRG)	2.19		3.85	0.00	0.00	0		0	0.0000	0		0	
UBS ATS (UBSA)	2.08		3.66	0.00	0.00	0		0	0.0000	0		0	
CBOE EDGA Exchange (EDGA)	1.95		3.42	0.02	0.00	0		145	13.5431	-0	-30.0000	0	
Virtu Americas LLC "PRO" (VIRT)	1.69		2.98	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

New York Stock Exchange (XNYS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

CBOE EDGX Exchange (EDGX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca (ARCX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MEMX LLC (MEMX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IEX (IEXD):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BZX Exchange (BATS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGA Exchange (EDGA):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

February 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.02	38.59	58.42	2.97

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Cboe EDGX Options Exchange (EDGO)	16.65	0.00	7.09	22.84	19.21	0		470	24.2991	2,107	18.4451	15	81.5000
MIAX PEARL (MPRL)	14.64	0.00	9.99	18.46	0.00	0		-3,928	-51.8653	87	24.0193	0	

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE C2 Exchange (C2OX)	14.38	0.00	4.13	21.35	10.60	0		-1,282	-47.0771	1,418	42.0000	4	61.6667
NYSE Arca Options (ARCO)	9.68	0.00	7.50	11.08	10.60	0		-820	-55.1777	4,586	56.7269	9	39.0000
Nasdaq MRX (MCRY)	7.81	0.00	19.38	0.07	9.93	0		912	39.3892	0	29.2440	2	20.6488
Cboe BZX Options Exchange (BATS)	6.85	0.00	5.76	7.92	0.00	0		-1,598	-55.1345	168	35.0000	0	
Nasdaq BX Options (XBXO)	4.47	0.00	11.58	0.00	0.00	0		-416	-17.1660	0		0	
NYSE American Options (AMXO)	4.07	0.00	1.84	5.76	0.00	0		1	0.2519	0	0.0000	0	
Nasdaq GEMX (GMNI)	3.48	0.00	3.11	3.91	0.00	0		-879	-57.8590	281	25.1475	0	
Nasdaq Options Market (XNDQ)	3.31	0.00	6.32	1.48	0.00	0		-1,836	-56.7527	5,205	88.9930	0	
Nasdaq ISE (XISX)	2.87	100.00	3.88	1.65	13.25	-0	-37.0000	0	0.0179	1,292	86.2806	2	40.0000
BOX Exchange (XBOX)	2.77	0.00	6.78	0.27	0.00	0		3,395	58.0275	0	1.6667	0	

Material Aspects:

Cboe EDGX Options Exchange (EDGO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MIAX PEARL (MPRL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE C2 Exchange (C2OX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca Options (ARCO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq MRX (MCRY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Cboe BZX Options Exchange (BATS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq BX Options (XBXO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE American Options (AMXO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq GEMX (GMNI):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq Options Market (XNDQ):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq ISE (XISX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

BOX Exchange (XBOX):

An affiliate under common control with IBKR has a substantial, minority investment in the Boston Options Exchange Group LLC, which operates the Boston Options Exchange. To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

March 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
99.75	0.00	78.87	21.13	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Nasdaq Stock Market (XNAS)	22.35		14.71	50.88		0		-967	-19.3409	4,920	27.8743	0	
IBKR ATS (IATS)	16.61		20.93	0.47		0		0	0.0000	0	0.0000	0	
CBOE EDGX Exchange (EDGX)	9.38		6.77	19.13		0		-381	-24.0235	4	15.7317	0	
NYSE Arca (ARCA)	7.75		8.59	4.63		0		-555	-21.8495	375	24.6683	0	
MEMX LLC (MEMX)	6.87		8.40	1.14		0		-269	-30.0000	7	26.7313	0	
New York Stock Exchange (XNYS)	6.59		3.62	17.67		0		-266	-23.6757	1,534	15.8993	0	
CBOE BZX Exchange (BATS)	4.43		5.54	0.26		0		-169	-17.7714	0	13.7500	0	

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
IEX (IEXD)	3.54		4.47	0.05		0		-70	-8.4691	0		0	
HRT Execution Services LLC (HRTF)	3.15		4.00	0.00		0		0	0.0000	0		0	
MIAX PEARL Equities (EPRL)	2.53		3.18	0.10		0		-117	-29.2019	0	27.3000	0	
CBOE EDGA Exchange (EDGA)	2.44		3.09	0.00		0		44	17.7360	0		0	
XTX Execution Services LLC (XTXE)	2.35		2.77	0.78		0		0	0.0000	0	0.0000	0	
CBOE BYX Exchange (BATY)	1.46		0.56	4.83		0		2	2.0000	0	0.0926	0	
Nasdaq PSX (XPSX)	1.45		1.84	0.00		0		-19	-30.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

CBOE EDGX Exchange (EDGX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca (ARCX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MEMX LLC (MEMX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

New York Stock Exchange (XNYS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BZX Exchange (BATS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IEX (IEXD):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MIAX PEARL Equities (EPRL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGA Exchange (EDGA):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to

clients.

CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq PSX (XPSX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

March 2023

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
99.21	0.00	61.97	37.50	0.53

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Nasdaq Stock Market (XNAS)	26.39		12.42	49.46	28.03	0		-2,459	-19.3712	12,178	20.8278	0	0.0000
CBOE EDGX Exchange (EDGX)	11.84		7.59	18.14	62.88	0		-1,439	-25.0685	118	4.8580	-3	-9.9941
NYSE Arca (ARCX)	10.94		12.07	9.22	0.00	0		-3,128	-25.5314	7,490	26.6023	0	
IBKR ATS (IATS)	9.43		14.77	0.75	0.00	0		0	0.0000	0	0.0000	0	
New York Stock Exchange (XNYS)	9.21		4.60	16.97	0.00	0		-900	-20.0924	5,873	18.3437	0	
CBOE BZX Exchange (BATS)	4.37		6.97	0.13	0.76	0		-780	-26.7128	2	16.0000	0	
MEMX LLC (MEMX)	4.26		6.60	0.45	0.00	0		-798	-28.7296	12	26.3250	0	
HRT Execution Services LLC (HRTF)	3.38		5.45	0.00	0.00	0		0	0.0000	0		0	
IEX (IEXD)	2.28		3.67	0.02	0.00	0		-76	-8.5487	0		0	
CBOE BYX Exchange (BATY)	2.14		1.15	3.70	8.33	0		11	1.3260	0	2.0000	0	
MIAX PEARL Equities (EPRL)	1.97		2.90	0.46	0.00	0		-411	-28.7019	17	29.0000	0	
UBS ATS (UBSA)	1.69		2.72	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities	1.65		2.67	0.00	0.00	0		0	0.0000	0		0	

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
"PRO" (CDRG)													
Virtu Americas LLC "PRO" (VIRT)	1.43		2.31	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGX Exchange (EDGX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca (ARCX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

New York Stock Exchange (XNYS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BZX Exchange (BATS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MEMX LLC (MEMX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IEX (IEXD):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MIAX PEARL Equities (EPRL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

March 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
99.97	0.02	31.43	65.33	3.22

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
CBOE C2 Exchange (C2OX)	27.48	100.00	4.74	38.73	20.97	0		-1,397	-46.8003	846	41.9792	-21	-11.4505
Cboe EDGX Options Exchange (EDGO)	16.69	0.00	8.32	20.45	22.04	0		540	23.2806	2,072	20.0919	65	56.1379
MIAX PEARL (MPRL)	9.77	0.00	7.06	11.56	0.00	0		-1,874	-45.9529	697	57.7185	0	
NYSE Arca Options (ARCO)	7.81	0.00	7.94	7.14	20.43	0		-793	-59.6727	5,833	64.0802	51	55.4348
Nasdaq MRX (MCRY)	7.54	0.00	23.21	0.16	4.30	0		3,641	50.5258	3	37.7500	77	5.9277
NYSE American Options (AMXO)	6.03	0.00	1.76	8.38	0.00	0		4	0.2118	0	0.0000	0	
Nasdaq BX Options (XBXO)	3.45	0.00	10.97	0.00	0.00	0		-594	-39.9926	0		0	
Cboe BZX Options Exchange (BATS)	3.38	0.00	4.85	2.84	0.00	0		-844	-54.4690	475	73.7422	0	
Nasdaq ISE (XISX)	3.29	0.00	5.95	2.02	3.23	0		38	2.5157	5,645	99.9748	13	30.0000
Nasdaq Options Market (XNDQ)	3.12	0.00	4.36	2.68	0.00	0		-1,185	-60.2840	1,198	75.5549	0	
Nasdaq GEMX (GMNI)	2.50	0.00	1.98	2.86	0.00	0		-230	-44.3739	255	39.6423	0	

Material Aspects:

CBOE C2 Exchange (C2OX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Cboe EDGX Options Exchange (EDGO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MIAX PEARL (MPRL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca Options (ARCO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq MRX (MCRY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE American Options (AMXO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq BX Options (XBXO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Cboe BZX Options Exchange (BATS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq ISE (XISX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq Options Market (XNDQ):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq GEMX (GMNI):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.