

Wolverine Execution Services - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2022

October 2022

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
0.00	0.00	0.00	0.00	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)
N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

N/A:

WEX did not handle non-directed held equity orders in S&P equities during this period.

October 2022

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
0.00	0.00	0.00	0.00	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)
N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

N/A:
WEX did not handle non-directed held equity orders in Non-S&P equities during this period.

October 2022

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
89.31	0.02	7.01	69.41	23.55

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)
MIAX PEARL (MPRL)	19.51	0.03	4.01	95.69	0.28	701.71	15.9100	-357,548.48	-18.5500	3,247,873.82	25.7800	-1,314.60	-11.3500
MIAX Emerald (EMLD)	12.25	0.07	2.47	95.39	2.08	4,163.61	46.8600	-180,095.19	-21.6700	3,645,312.56	51.3300	69,485.25	19.2500
Miami International Securities Exchange (XMIO)	10.20	0.00	15.14	22.09	62.76	0.00	0.0000	-115,859.90	-2.1100	-36,078.19	-0.9000	-173,230.87	-0.9400
Cboe C2 Exchange, Inc. (C2OX)	9.02	0.00	1.64	93.98	4.38	0.00	0.0000	-856,859.50	-46.7000	47,509.09	18.9800	-43,339.76	-3.0800
Cboe Exchange, Inc. (XCBO)	8.18	0.03	6.34	29.95	63.68	-48.49	-0.1800	-232,636.76	-15.9500	-106,729.50	-8.3700	-3,522,641.02	-34.3300
Cboe EDGX Exchange, Inc. (EDGX)	6.95	0.00	12.28	25.08	62.63	0.00	0.0000	-42,450.10	-1.7100	8,491.78	0.6600	1,176,178.92	16.9900
Nasdaq ISE XISX, LLC (XISX)	5.77	0.01	5.26	33.59	61.14	134.82	5.7400	-254,860.16	-40.0500	31,391.82	16.6700	259,477.91	4.3900
Nasdaq PHLX, LLC (XPHO)	4.94	0.00	12.09	35.64	52.27	-1.20	0.0000	-194,814.39	-11.6200	-11,627.95	-1.1200	-129,188.28	-1.6700
Cboe BZX Exchange, Inc. (BATS)	4.76	0.01	2.57	96.55	0.87	197.60	10.9700	-902,936.92	-54.1500	123,848.17	17.5900	1,813.11	11.0300
Nasdaq ISE Gemini, LLC (GMNI)	3.66	0.00	1.74	97.24	1.03	0.00	0.0000	-249,428.70	-57.7700	13,020.31	8.8700	-902.07	-42.8700

Material Aspects:
MIAX PEARL (MPRL):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

Wolverine holds an ownership interest in Miami International Holdings, Inc. (MIAX'). Because Wolverine holds an ownership interest in the venue noted above, it stands to share in profits derived from the execution of orders on the venue.

<https://www.miaxoptions.com/fees/pearl>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_10_option_rate_card.xlsx

MIAX Emerald (EMLD):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

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<https://www.miaxoptions.com/fees/emerald>

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Miami International Securities Exchange (XMIO):

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<https://www.miaxoptions.com/fees>

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Cboe C2 Exchange, Inc. (C2OX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/ctwo/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_10_option_rate_card.xlsx

Cboe Exchange, Inc. (XCBO):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/

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Cboe EDGX Exchange, Inc. (EDGX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/edgx/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_10_option_rate_card.xlsx

Nasdaq ISE XISX, LLC (XISX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

<https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_10_option_rate_card.xlsx

Nasdaq PHLX, LLC (XPHO):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

http://www.nasdaqtrader.com/content/phlx/phlx_pricingschedule.pdf

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_10_option_rate_card.xlsx

Cboe BZX Exchange, Inc. (BATS):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/bzx/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_10_option_rate_card.xlsx

Nasdaq ISE Gemini, LLC (GMNI):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.
<https://listingcenter.nasdaq.com/rulebook/gemx/rules/gemx-options-7>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_10_option_rate_card.xlsx

November 2022

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
0.00	0.00	0.00	0.00	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)
N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

N/A:
WEX did not handle non-directed held equity orders in S&P equities during this period.

November 2022

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
0.00	0.00	0.00	0.00	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)
N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

N/A:
WEX did not handle non-directed held equity orders in Non-S&P equities during this period.

November 2022

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
89.06	0.02	7.54	67.49	24.95

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)
MIAX PEARL (MPRL)	20.12	0.03	4.26	95.54	0.17	1,523.47	20.0900	-346,845.47	-18.9000	3,192,840.21	25.9700	-24.55	-0.1800
MIAX Emerald (EMLD)	13.58	0.07	2.34	95.79	1.79	3,471.31	48.6600	-248,483.93	-28.6900	3,896,861.84	52.0700	85,712.35	20.5600
Miami International Securities Exchange (XMIO)	10.50	0.00	15.78	17.90	66.32	0.00	0.0000	-90,431.59	-1.5500	-31,069.96	-0.8000	-166,200.34	-0.8000
Cboe Exchange, Inc. (XCBO)	8.27	0.03	6.74	29.05	64.17	-104.72	-0.2400	-271,414.86	-17.3200	-88,933.08	-7.7700	-3,024,291.56	-30.7200
Cboe C2 Exchange, Inc. (C2OX)	8.13	0.00	1.86	93.36	4.78	-0.30	-0.0100	-735,429.23	-47.4300	53,237.43	24.9300	164.37	0.0200
Cboe EDGX Exchange, Inc. (EDGX)	7.21	0.00	12.37	21.85	65.78	0.00	0.0000	-58,039.30	-2.3600	11,267.58	0.8100	1,199,355.82	18.0000
Nasdaq ISE XISX, LLC (XISX)	5.85	0.02	5.69	28.57	65.73	441.18	9.3200	-214,949.50	-42.1500	45,226.12	28.4400	237,781.00	4.6500
Nasdaq PHLX, LLC (XPHO)	4.97	0.00	12.96	32.89	54.15	-0.40	0.0000	-244,396.57	-14.1700	-9,101.14	-0.6100	-88,389.48	-1.4400
Cboe BZX Exchange, Inc. (BATS)	4.37	0.01	2.77	96.77	0.46	38.15	0.8500	-857,078.18	-56.5000	131,897.27	20.8400	2,242.97	15.2300
NYSE Arca (ARCX)	3.27	0.00	4.39	86.77	8.84	-2.55	-0.0800	-523,313.32	-60.8400	8,520.31	3.3600	152,871.69	14.1800

Material Aspects:

MIAX PEARL (MPRL):

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<https://www.miaxoptions.com/fees/pearl>

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MIAX Emerald (EMLD):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

Wolverine holds an ownership interest in Miami International Holdings, Inc. (MIAX'). Because Wolverine holds an ownership interest in the venue noted above, it stands to share in profits derived from the execution of orders on the venue.

<https://www.miaxoptions.com/fees/emerald>

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Miami International Securities Exchange (XMIO):

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<https://www.miaxoptions.com/fees>

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Cboe Exchange, Inc. (XCBO):

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https://markets.cboe.com/us/options/membership/fee_schedule/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_11_option_rate_card.xlsx

Cboe C2 Exchange, Inc. (C2OX):

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https://markets.cboe.com/us/options/membership/fee_schedule/ctwo/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_11_option_rate_card.xlsx

Cboe EDGX Exchange, Inc. (EDGX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/edgx/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_11_option_rate_card.xlsx

Nasdaq ISE XIX, LLC (XISX):

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<https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_11_option_rate_card.xlsx

Nasdaq PHLX, LLC (XPHO):

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http://www.nasdaqtrader.com/content/phlx/phlx_pricingschedule.pdf

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Cboe BZX Exchange, Inc. (BATS):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/bzx/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_11_option_rate_card.xlsx

NYSE Arca (ARCX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_11_option_rate_card.xlsx

December 2022

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
0.00	0.00	0.00	0.00	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)
N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

N/A:
WEX did not handle non-directed held equity orders in S&P equities during this period.

December 2022

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
0.00	0.00	0.00	0.00	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)
N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Material Aspects:

N/A:
WEX did not handle non-directed held equity orders in Non-S&P equities during this period.

December 2022

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
90.73	0.03	6.81	64.65	28.51

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)
MIAX PEARL (MPRL)	20.13	0.04	4.53	95.20	0.23	569.39	18.8300	-835,922.55	-32.4200	2,225,402.37	24.5500	-2,287.65	-20.7000
MIAX Emerald (EMLD)	12.73	0.12	2.72	94.59	2.57	3,786.09	47.7200	-211,746.43	-28.7200	3,386,010.93	50.2900	65,742.70	20.3400
Miami International Securities Exchange (XMIO)	10.66	0.00	12.19	15.02	72.79	0.00	0.0000	-72,543.31	-1.5000	-36,617.34	-1.3600	-137,937.69	-0.7700
Cboe Exchange, Inc. (XCBO)	8.71	0.04	5.78	23.10	71.08	-119.35	-0.3200	-197,753.51	-15.6900	-135,437.69	-12.9500	-3,059,930.87	-31.0000
Cboe C2 Exchange, Inc. (C2OX)	8.59	0.00	1.78	91.32	6.90	-1.73	-0.1300	-675,014.28	-47.6400	38,888.58	19.4200	-55,350.26	-5.4200
Cboe EDGX Exchange, Inc. (EDGX)	7.47	0.00	9.72	18.39	71.89	0.00	0.0000	-54,618.68	-2.6200	8,004.62	0.8200	1,131,859.38	17.7400
Nasdaq ISE XISX, LLC (XISX)	6.06	0.02	4.74	24.26	70.98	602.14	14.4200	-219,872.67	-41.2200	50,072.41	36.5800	204,991.43	4.2700
Nasdaq PHLX, LLC (XPHO)	5.04	0.00	10.82	31.50	57.68	-0.36	0.0000	-210,189.39	-13.7500	-7,410.07	-0.5100	-87,519.28	-1.7800
Cboe BZX Exchange, Inc. (BATS)	4.53	0.01	2.25	97.07	0.67	40.45	6.7000	-349,379.50	-53.3700	139,165.29	29.4600	1,054.09	11.0100
Nasdaq ISE Gemini, LLC (GMNI)	3.33	0.00	3.28	96.03	0.68	-0.25	-0.2700	-199,271.55	-58.6200	10,107.79	11.3100	-696.13	-37.2300

Material Aspects:

MIAX PEARL (MPRL):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

Wolverine holds an ownership interest in Miami International Holdings, Inc. (MIAX'). Because Wolverine holds an ownership interest in the venue noted above, it stands to share in profits derived from the execution of orders on the venue.

<https://www.miaxoptions.com/fees/pearl>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

MIAX Emerald (EMLD):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

Wolverine holds an ownership interest in Miami International Holdings, Inc. (MIAX'). Because Wolverine holds an ownership interest in the venue noted above, it stands to share in profits derived from the execution of orders on the venue.

<https://www.miaxoptions.com/fees/emerald>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Miami International Securities Exchange (XMIO):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

Wolverine holds an ownership interest in Miami International Holdings, Inc. (MIAX'). Because Wolverine holds an ownership interest in the venue noted above, it stands to share in profits derived from the execution of orders on the venue.

<https://www.miaxoptions.com/fees>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Cboe Exchange, Inc. (XCBO):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Cboe C2 Exchange, Inc. (C2OX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/ctwo/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Cboe EDGX Exchange, Inc. (EDGX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/edgx/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Nasdaq ISE XISX, LLC (XISX):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

<https://listingcenter.nasdaq.com/rulebook/ise/rules/ise-options-7>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Nasdaq PHLX, LLC (XPHO):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

http://www.nasdaqtrader.com/content/phlx/phlx_pricingschedule.pdf

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Cboe BZX Exchange, Inc. (BATS):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

https://markets.cboe.com/us/options/membership/fee_schedule/bzx/

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Nasdaq ISE Gemini, LLC (GMNI):

WEX routes option orders to all of the U.S. option exchanges and may collect payments from exchanges via their respective SEC-approved marketing fee programs for certain eligible order types. The Firm will also collect credit payments from certain exchanges based on the particular fees and rebates offered in exchange's fee schedule. At time of publication, exchange rate schedules can be found at the below URL link. Please note that the exchanges reserve the right to change their rates without notice and may also change their URL links.

<https://listingcenter.nasdaq.com/rulebook/gemx/rules/gemx-options-7>

Please see the following link with Information reflecting the tiered pricing/payment schedule, as applicable to WEX at: https://www.tradewex.com/sec_rules/archive/publicaccess/2022_12_option_rate_card.xlsx

Note Regarding the Information:

Exchanges that WEX routes orders to have fees or rebates that vary based upon many factors. Please see the above links to the exchange fee schedules for a complete and detailed list of the factors for these fees and rebates.

Additionally, WEX may receive pricing benefits from the exchanges that offer volume based, tiered pricing, or other payment schedules. Additionally, WEX receives order flow payments, or "rebates," in varying amounts from exchanges and also from U.S. options specialists and/or market makers pursuant to the exchange sponsored marketing fee programs, which have been adopted by the exchanges and approved by the SEC. Please see the above links to the exchange fee schedules for a complete and detailed list of these.

For more information about WEX please see its publicly available disclosures that are relevant to this report. These disclosures include but are not limited to: affiliate relationships, payment for order flow, solicitation of other parties, execution of block orders, execution quality, and pre-market or post-market session trading. These disclosures can be found at the following hyperlink <https://www.tradewex.com/Home/Disclosures>