

CANT - 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)

Material Aspects:

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)

Material Aspects:

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
100.00	0.00	0.00	0.00	100.00

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 ISE (XISX)	31.16	0.00	0.00	0.00	31.16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	36.2200	3.1912
CBOE Exchange (XCBO)	27.92	0.00	0.00	0.00	27.92	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-314.8375	-59.7415
Nasdaq PHLX (XPHO)	26.60	0.00	0.00	0.00	26.60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-59.5300	-31.1675
NYSE Arca (ARCA)	3.17	0.00	0.00	0.00	3.17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-395.0300	-52.7410
ISE Mercury Options (MCRY)	1.88	0.00	0.00	0.00	1.88	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-115.4000	-5.0000
BOX Exchange (XBOX)	1.77	0.00	0.00	0.00	1.77	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-84.7000	-55.0000
NYSE American Options (AMXO)	1.45	0.00	0.00	0.00	1.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-8.6400	-54.0000
CBOE EDGX (EDGX)	1.45	0.00	0.00	0.00	1.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-27.2200	-6.5908
C2 Options Exchange, Inc. (C2OX)	1.26	0.00	0.00	0.00	1.26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-80.6600	-52.7190
Miami Intl Exchange (XMIO)	1.12	0.00	0.00	0.00	1.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

Nasdaq ISE (XISX):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH's overall trading volumes are such that they may receive enhanced volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co. is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: <https://www.cantor.com/wp-content/uploads/2016/07/CF&Co-Annual-Regulatory-Disclosure-2022-2023.pdf>

CBOE Exchange (XCBO):

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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)

Material Aspects:

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)

Material Aspects:

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
100.00	0.00	0.00	0.00	100.00

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)
CBOE Exchange (XCBO)	18.51	0.00	0.00	0.00	18.51	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-5,336.7875	-32.3756
	15.75	0.00	0.00	0.00	15.75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	414.1000	10.6754

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 ISE (XISX)													
CBOE EDGX (EDGX)	8.65	0.00	0.00	0.00	8.65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-123,248.2000	-221.5698
NYSE Arca (ARCA)	7.97	0.00	0.00	0.00	7.97	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-85,902.3600	-168.9894
Nasdaq PHLX (XPHO)	7.45	0.00	0.00	0.00	7.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-318.0000	-46.6960
C2 Options Exchange, Inc. (C2OX)	6.60	0.00	0.00	0.00	6.60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-210,265.9350	-342.4582
Nasdaq OMX (XBXX)	6.11	0.00	0.00	0.00	6.11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-4,635.9500	-55.0000
BOX Exchange (XBOX)	6.03	0.00	0.00	0.00	6.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1,095.2500	-47.4751
NYSE American Options (AMXO)	5.29	0.00	0.00	0.00	5.29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-67.9500	-67.2772
Miami Intl Exchange (XMIO)	4.33	0.00	0.00	0.00	4.33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-87.9500	-46.0471
ISE Mercury Options (MCRY)	3.53	0.00	0.00	0.00	3.53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2000	-5.0000

Material Aspects:

CBOE Exchange (XCBO):

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Nasdaq ISE (XISX):

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NYSE Arca (ARCA):

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Nasdaq PHLX (XPHO):

Material Aspects:

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)

Material Aspects:

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
100.00	6.09	0.24	1.13	92.54

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)
Cantor Fitzgerald & Co. (CANT)	5.20	75.58	13.56	2.49	0.58	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE Exchange (XCBO)	3.95	0.00	0.00	0.00	4.27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-990.2250	-11.8875
NYSE Arca (ARCA)	3.25	0.00	0.00	0.00	3.52	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-85,924.1400	-210.9034
Nasdaq ISE (XISX)	2.76	0.00	0.00	0.00	2.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	29.5000	13.1111
ISE Mercury Options (MCRY)	2.59	0.00	0.00	0.00	2.80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-66.9500	-5.0000

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)
C2 Options Exchange, Inc. (C2OX)	2.47	0.00	0.00	0.00	2.67	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-363,168.3350	-618.8435
CBOE EDGX (EDGX)	2.08	0.00	0.00	0.00	2.25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-150,455.4900	-236.3831
Nasdaq PHLX (XPHO)	1.94	0.00	0.00	0.00	2.09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-88.9500	-40.6164
BOX Exchange (XBOX)	1.78	0.00	0.00	0.00	1.93	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-578.8000	-84.4964
NYSE American Options (AMXO)	1.62	0.00	0.00	0.00	1.76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-34.2000	-90.0000
MIAX Emerald, LLC. (EMLD)	1.26	0.00	0.00	0.00	1.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-3,686.6250	-90.5805
MIAX Pearl, LLC (MPRL)	1.00	0.00	0.00	0.00	1.08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-27,557.0300	-124.1196
Cboe BZX Options Exchange (BATO)	0.95	0.00	0.00	0.00	1.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.3000	6.4341
Nasdaq GEMX, LLC (GMNI)	0.91	0.00	0.00	0.00	0.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-243.5100	-97.4040
Nasdaq Options (XNDQ)	0.91	0.00	0.00	0.00	0.98	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-11.3400	-54.0000
WOLVERINE EXECUTION SERVICES, (WEXM)	0.22	1.58	0.00	0.71	0.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ISE Options (ISE1)	0.17	0.00	0.00	0.00	0.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-11,648.5650	-143.7207
Cboe BZX Exchange (BATS)	0.08	0.00	0.00	0.00	0.09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-74,301.9300	-295.1535
NASDAQ (NASD)	0.06	0.00	0.00	0.00	0.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-10,565.8650	-120.5461
DND (DND1)	0.03	0.00	0.00	0.00	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Miami Options Exchange (MIAX)	0.03	0.00	0.00	0.00	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-176.1750	-24.3000
Nasdaq OMX PHLX (PHLX)	0.03	0.00	0.00	0.00	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-5,177.5200	-156.7520
Boston Options (BOX1)	0.02	0.00	0.00	0.00	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-644.5800	-46.8785
NASDAQBX (NASD)	0.02	0.00	0.00	0.00	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-216.7650	-60.5489
NYSE American (AMEX)	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-416.7900	-83.3580

Material Aspects:

Cantor Fitzgerald & Co. (CANT):

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Nasdaq OMX PHLX (PHLX):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH's overall trading volumes are such that they may receive enhanced volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co. is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: <https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf>

Boston Options (BOX1):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH's overall trading volumes are such that they may receive enhanced volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co. is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: <https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf>

NASDAQBX (NASD):

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NYSE American (AMEX):

Cantor Fitzgerald ("CF&Co.") routes option orders to Wolverine Execution Services (WEX) and Dash Financial Technologies (DASH) for agency execution and is charged transaction based compensation. All orders sent to WEX and DASH are routed to US listed options exchanges for execution. WEX and DASH charge CF&Co. commission, and pass through the net fees or rebates incurred in executing CF&Co. orders on various Option Exchanges. The passed through rebates, credits or billing adjustments from WEX and DASH may reduce the overall costs of the execution services provided by WEX and DASH. WEX and DASH's overall trading volumes are such that they may receive enhanced volume-based rates, including placement in preferential rate tiers on an exchange's fee schedule. When accessing the exchanges via WEX and DASH, CF&Co. may receive an indirect benefit by receiving enhanced exchange rates associated with WEX and DASH, and these rates are therefore reflected in our Net Payments for this report. CF&Co. is not party to the payment arrangements between WEX and DASH and the various Options Exchanges. Please see the Firm's Order Handling Letter available at: <https://www.cantor.com/wp-content/uploads/2016/07/CFCO-Annual-Regulatory-Disclosure-2022-2023.pdf>