

TD Ameritrade Clearing, Inc - Held NMS Stocks and Options Order Routing Public Report

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2nd Quarter, 2023

April 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
99.97	21.63	5.74	34.17	38.45

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)
CITADEL SECURITIES LLC	31.46	28.50	28.79	15.55	47.66	550,125.33	8.6600	115,256.54	8.6600	218,523.68	26.4800	77,791.65	8.1100
Virtu Americas, LLC	24.67	27.63	28.45	16.47	29.73	505,926.71	8.5900	104,966.34	8.5900	155,306.44	26.7100	59,468.64	8.4600
G1 Execution Services, LLC	14.45	24.72	22.67	13.11	8.63	573,920.94	8.7400	104,526.02	8.7400	323,571.16	31.3800	42,604.32	10.0900
Jane Street Capital	13.11	16.38	14.97	17.83	6.79	422,151.21	8.6600	75,689.80	8.6600	144,879.23	27.5800	30,021.52	9.9100
Two Sigma Securities, LLC	10.72	0.48	2.47	26.90	3.34	9,829.80	8.4600	5,002.82	8.4600	458,473.22	27.8200	11,529.65	10.3300

Material Aspects:

CITADEL SECURITIES LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

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April 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
99.86	20.61	7.83	34.03	37.53

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)
CITADEL SECURITIES LLC	33.56	28.49	28.69	16.41	52.91	2,149,420.96	8.6600	1,280,689.77	8.6600	667,348.85	18.7100	670,222.20	6.8100
Virtu Americas, LLC	25.55	27.64	28.62	17.25	31.28	1,984,414.24	8.5900	1,094,718.12	8.5900	469,755.20	18.5500	477,270.32	6.9900
G1 Execution Services, LLC	13.19	24.56	22.72	12.15	5.89	2,251,666.27	8.7400	1,188,453.83	8.7400	761,545.45	13.6300	156,079.01	9.8500
Jane Street Capital	12.27	16.44	15.18	17.77	4.38	1,671,500.66	8.6600	905,420.08	8.6600	387,364.63	17.4900	119,009.86	9.2800
Two Sigma Securities, LLC	10.09	0.50	2.09	26.28	2.35	39,805.86	8.4600	43,269.96	8.4600	1,236,411.00	17.2200	50,731.68	10.0400

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April 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
99.81	7.40	12.36	52.82	27.41

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)
CITADEL SECURITIES LLC	35.51	42.87	41.96	38.10	25.60	1,891,725.91	40.0100	4,818,857.18	50.5000	4,887,741.28	53.5800	1,097,189.23	36.9500
Global Execution Brokers LP	25.08	30.65	31.73	33.11	5.12	1,389,010.41	42.2800	3,821,511.59	54.5900	4,201,063.62	53.5800	181,979.38	37.8800
Dash/IMC Financial Markets	20.79	14.37	14.39	19.66	27.58	575,522.47	36.5700	1,339,221.64	44.0900	2,313,478.01	53.5300	1,084,753.63	36.2500
Wolverine Execution Services	16.07	4.35	5.28	8.03	39.62	239,451.30	54.7900	810,040.07	66.0700	993,470.11	53.5800	1,448,965.28	36.2200

Material Aspects:

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Dash/IMC Financial Markets:

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Wolverine Execution Services:

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May 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
99.97	23.16	5.81	33.75	37.28

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)
CITADEL SECURITIES LLC	29.67	23.92	24.63	16.19	46.24	597,442.46	9.5400	113,817.01	9.5400	250,941.22	26.3200	79,415.94	8.7900
Virtu Americas, LLC	24.53	29.53	30.38	14.65	29.47	706,448.23	9.5200	136,355.43	9.5200	186,354.78	25.8900	69,041.11	9.1300
Jane Street Capital	16.43	20.40	18.79	21.91	8.64	704,933.95	9.6600	123,338.05	9.6600	200,519.04	26.7700	41,317.95	9.8800
G1 Execution Services, LLC	14.19	22.88	21.13	13.50	8.34	652,308.32	9.6700	110,153.90	9.6700	344,577.07	30.7300	45,531.00	10.1000
Two Sigma Securities, LLC	9.28	0.48	2.04	23.26	3.22	12,447.73	9.6700	5,161.41	9.6700	431,172.40	27.0900	13,266.86	10.2900

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May 2023

Non-S&P 500 Stocks

Summary

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99.87	21.31	7.96	33.98	36.75

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)
CITADEL SECURITIES LLC	31.83	23.92	24.54	16.69	51.98	2,158,352.45	9.5400	1,134,152.90	9.5400	946,847.81	20.2700	603,092.22	7.4000
Virtu Americas, LLC	25.23	29.50	30.60	15.53	30.57	2,536,895.63	9.5200	1,164,823.26	9.5200	657,198.72	20.5700	468,343.82	7.6300
Jane Street Capital	15.51	20.57	18.91	21.89	5.94	2,567,859.34	9.6600	1,227,313.93	9.6600	653,570.64	20.1900	148,964.05	9.1300
G1 Execution Services, LLC	12.75	22.59	21.15	12.42	5.54	2,319,147.14	9.6700	1,102,222.80	9.6700	1,051,278.16	18.4800	145,392.63	10.0100
Two Sigma Securities, LLC	8.87	0.50	1.73	22.86	2.34	44,951.06	9.6700	40,354.88	9.6700	1,352,744.26	20.2000	50,059.40	10.2100

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May 2023

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99.81	8.03	13.08	50.25	28.63

Venues

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CITADEL SECURITIES LLC	37.61	40.99	40.27	40.83	29.79	2,067,680.77	36.9900	5,641,948.30	49.9400	6,136,659.88	53.9900	1,525,019.49	35.9000
Global Execution Brokers LP	24.77	32.86	33.38	32.14	5.65	1,768,230.91	39.8100	5,026,540.72	53.6700	4,975,170.98	53.9900	245,001.50	34.4600
Dash/IMC Financial Markets	18.29	13.27	13.69	15.20	27.21	719,338.48	38.6400	1,846,306.85	49.5400	2,203,850.90	53.9400	1,281,279.90	36.1000
Wolverine Execution Services	16.08	4.42	5.31	9.78	35.30	275,971.13	46.2100	859,892.42	58.8800	1,450,982.84	53.9900	1,484,731.62	36.0700

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TD Ameritrade Clearing, Inc. receives payment for routing multi-listed option order flow to market makers. For complex orders on classes in the penny interval program the payment rate is \$0.43 per contract or less, and for all other complex orders the payment rate is \$0.93 per contract or less. For marketable orders on classes in the penny interval program the payment rate is \$0.79 per contract or less, and for all other marketable orders the payment rate is \$1.49 per contract or less. For non-marketable orders on classes in the penny interval program the payment rate is \$0.51 per contract or less, and for all other non-marketable orders the payment rate is \$0.98 per contract or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality. In connection with Dash Financial's handling of TD Ameritrade's listed option orders, Dash has arrangements with multiple unaffiliated liquidity providers, including IMC Chicago, designed to facilitate liquidity and price improvement opportunities. Pursuant to these arrangements, Dash routes listed option orders to exchanges and preferences the liquidity providers consistent with exchange sponsored programs. It is noted that these liquidity providers provide Dash with remuneration in connection with TD Ameritrade's listed option orders, including reciprocal order flow consideration or payment per contract in return for TD Ameritrade's listed option orders that Dash routes or directs.

Wolverine Execution Services:

TD Ameritrade Clearing, Inc. receives payment for routing multi-listed option order flow to market makers. For complex orders on classes in the penny interval program the payment rate is \$0.43 per contract or less, and for all other complex orders the payment rate is \$0.93 per contract or less. For marketable orders on classes in the penny interval program the payment rate is \$0.79 per contract or less, and for all other marketable orders the payment rate is \$1.49 per contract or less. For non-marketable orders on classes in the penny interval program the payment rate is \$0.51 per contract or less, and for all other non-marketable orders the payment rate is \$0.98 per contract or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

June 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
99.97	25.79	5.81	32.01	36.39

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)
CITADEL SECURITIES LLC	26.89	23.73	24.46	17.79	37.52	581,971.27	9.1800	97,939.58	9.1800	264,700.97	25.9300	55,903.81	8.8600
Virtu Americas, LLC	24.31	29.95	30.84	11.63	30.43	699,127.57	9.1600	122,314.94	9.1600	153,128.18	24.9500	62,234.33	9.1400
Jane Street Capital	20.02	20.27	19.27	26.84	13.97	712,244.58	9.2500	112,648.50	9.2500	226,710.63	25.9000	62,391.37	9.6500
G1 Execution Services, LLC	14.31	22.70	20.68	12.50	8.93	630,543.14	9.2800	94,011.03	9.2800	315,248.71	29.3300	38,320.73	10.1000
Two Sigma Securities, LLC	7.82	0.48	1.59	19.02	4.17	12,218.01	9.4300	4,099.12	9.4300	321,748.47	25.9500	18,758.19	10.2000

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)
UBS Securities, LLC	5.13	1.96	2.30	9.90	3.62	51,289.61	9.3700	8,116.14	9.3700	139,600.17	25.2500	17,859.65	10.2600

Material Aspects:

CITADEL SECURITIES LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

Virtu Americas, LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

Jane Street Capital:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

G1 Execution Services, LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

Two Sigma Securities, LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

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June 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
99.87	22.52	8.07	33.15	36.26

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)
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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)
CITADEL SECURITIES LLC	29.09	23.81	24.25	18.04	43.54	1,965,810.62	9.1800	867,461.76	9.1800	839,035.52	18.5000	450,505.49	7.2900
Virtu Americas, LLC	25.10	29.71	30.68	12.58	32.44	2,338,964.45	9.1600	1,042,024.18	9.1600	504,000.23	19.0000	431,012.15	7.5000
Jane Street Capital	19.13	20.39	19.45	26.71	11.36	2,411,015.68	9.2500	1,033,641.33	9.2500	707,868.05	18.4500	267,869.83	8.2900
G1 Execution Services, LLC	12.70	22.60	21.09	11.77	5.54	2,122,414.82	9.2800	870,636.58	9.2800	817,114.89	16.7700	132,906.09	9.9800
Two Sigma Securities, LLC	7.56	0.49	1.34	18.83	3.02	41,442.43	9.4300	30,114.76	9.4300	970,414.69	18.5900	64,138.33	10.0700

Material Aspects:

CITADEL SECURITIES LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

Virtu Americas, LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

Jane Street Capital:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

G1 Execution Services, LLC:

TD Ameritrade Clearing, Inc. receives payment for routing listed equity order flow to market makers. For marketable orders the payment rate is \$0.001 per share or less, for non-marketable orders the rate is \$0.0037 per share or less, and for extended hours orders the rate is \$0.0006 per share or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.

Two Sigma Securities, LLC:

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June 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
99.82	8.10	13.29	51.54	27.07

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)
CITADEL SECURITIES LLC	40.21	39.62	38.98	43.75	34.27	1,926,998.75	36.1500	5,515,545.98	47.8300	6,240,055.74	53.1700	1,278,209.68	32.4300
Global Execution Brokers LP	27.67	33.21	33.76	36.69	5.85	1,829,584.51	38.6400	5,481,584.27	51.0400	5,822,497.69	53.1700	249,614.86	34.0800
Dash/IMC Financial Markets	16.00	13.44	14.28	11.29	26.57	790,122.93	43.3900	2,361,758.99	54.9300	1,687,658.42	53.1200	992,252.44	32.6800
Wolverine Execution Services	12.12	4.51	4.87	5.23	31.07	263,135.85	47.1800	828,168.95	57.7300	773,543.56	53.1700	1,163,611.11	32.8700

Material Aspects:

CITADEL SECURITIES LLC:

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Global Execution Brokers LP:

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Dash/IMC Financial Markets:

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Wolverine Execution Services:

TD Ameritrade Clearing, Inc. receives payment for routing multi-listed option order flow to market makers. For complex orders on classes in the penny interval program the payment rate is \$0.43 per contract or less, and for all other complex orders the payment rate is \$0.93 per contract or less. For marketable orders on classes in the penny interval program the payment rate is \$0.79 per contract or less, and for all other marketable orders the payment rate is \$1.49 per contract or less. For non-marketable orders on classes in the penny interval program the payment rate is \$0.51 per contract or less, and for all other non-marketable orders the payment rate is \$0.98 per contract or less. All market makers pay the same rate for each respective order flow type. TD Ameritrade does not negotiate payment as a condition for sending more order flow to a market maker nor does TD Ameritrade negotiate a tradeoff between payment and price improvement/execution quality.