

GWDS - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2020

October 2020

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	31.84	22.59	45.57

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)
New York Stock Exchange (XNYS)	34.04	0.00	30.78	30.78	58.47	0.0000	0.0000	-0.0040	-27.8440	88.0000	14.5124	-308.0000	-10.0000
Nasdaq (XNAS)	33.15	0.00	54.32	54.32	41.49	0.0000	0.0000	-0.0089	-29.2603	237.0000	28.2363	-203.0000	-4.6723
INTERACTIVE BROKERS LLC (IATS)	11.62	0.00	0.08	0.08	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
IEXD (IEXD)	4.04	0.00	1.23	1.23	0.00	0.0000	0.0000	-0.0010	-5.3828	-0.0000	-9.0000	0.0000	0.0000
NYSE Arca (ARCX)	2.71	0.00	9.61	9.61	0.00	0.0000	0.0000	-0.0042	-30.0000	15.0000	20.0989	0.0000	0.0000
HRTX (HRTX)	2.23	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Connect (CDED)	2.11	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS Securities LLC - UBS ATS (UBSA)	2.09	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Material Aspects:

New York Stock Exchange (XNYS):

IBKR may receive volume discounts that are not passed on to clients. Likewise, rebates passed on to clients by IBKR may be less than the rebates IBKR receives from the relevant market. For example, IBKR may receive enhanced rebate payments for exceeding volume thresholds on particular markets, but typically will not pass these enhancements directly to clients.

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INTERACTIVE BROKERS LLC (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS, on which it executes IBKR client orders against each other or against one or more professional liquidity providers who send orders 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>.

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VIRTU FINANCIAL BD LLC (VIRT):

IBKR-LITE clients are generally charged zero commission for NMS stock and ETF orders. IBKR-LITE orders are generally routed to select over-the-counter market-makers for handling. IBKR's agreements with the Market Makers provide Interactive Brokers payment for order flow from each Market Maker for trades executed with that Market Maker.

Cboe BZX Exchange, Inc. (BATS):

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CBOE EDGX Exchange, Inc. (EDGX):

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Citadel Connect (CDED):

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October 2020

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
99.88	0.20	12.06	40.86	46.88

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)	15.99	0.00	21.13	21.13	12.59	0.0000	0.0000	-240.0000	-20.4293	-2,897.0000	-37.0402	-3,721.0000	-51.3560
Cboe EDGX Options	14.43	12.90	8.82	8.82	20.97	12.0000	2,100.0000	164.0000	20.1583	631.0000	21.0000	1,522.0000	55.0130

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(EDGO)													
MIAX Emerald, LLC. (EMLD)	13.28	3.23	13.74	13.74	16.01	0.0000	4,500.0000	-62.0000	-52.6695	414.0000	41.8414	493.0000	29.7224
C2 Options Exchange, Inc. (C2OX)	12.10	9.68	15.41	15.41	10.90	-0.0000	-4,300.0000	-500.0000	-44.6872	1,124.0000	41.4245	293.0000	24.7266
NYSE ARCA Options (ARCO)	11.41	6.45	9.34	9.34	13.90	-0.0000	-4,900.0000	-575.0000	-52.2371	501.0000	65.4595	707.0000	42.3649
Nasdaq Options Market (XNDQ)	6.65	3.23	13.38	13.38	0.00	-9.0000	-4,800.0000	-654.0000	-35.4374	791.0000	45.6513	0.0000	0.0000
Nasdaq OMX PHLX (XPHL)	6.62	0.00	0.27	0.27	13.21	0.0000	0.0000	-5.0000	-1.5211	-1.0000	-10.9091	0.0000	0.0000
Nasdaq ISE (XISX)	6.59	45.16	2.28	2.28	11.09	-32.0000	-4,100.0000	-94.0000	-35.6996	255.0000	78.1101	648.0000	39.8341
Nasdaq GEMX, LLC (GMNI)	4.11	3.23	9.15	9.15	0.01	0.0000	4,000.0000	-332.0000	-50.8226	533.0000	42.6445	-0.0000	-47.0000

Material Aspects:

CBOE Exchange (XCBO):

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Cboe EDGX Options (EDGO):

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MIAX Emerald, LLC. (EMLD):

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C2 Options Exchange, Inc. (C2OX):

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NYSE ARCA Options (ARCO):

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Nasdaq Options Market (XNDQ):

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Nasdaq OMX PHLX (XPHL):

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November 2020

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	0.00	33.26	35.47	31.27

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)
New York Stock Exchange (XNYS)	38.18	0.00	49.15	49.15	60.61	0.0000	0.0000	-0.0154	-20.4191	760.0000	19.2479	-658.0000	-10.0000
Nasdaq (XNAS)	25.48	0.00	32.19	32.19	39.39	0.0000	0.0000	-0.0182	-29.6651	297.0000	25.4550	-219.0000	-6.4150
INTERACTIVE BROKERS LLC (IATS)	9.07	0.00	0.06	0.06	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
IEXD (IEXD)	4.08	0.00	0.71	0.71	0.00	0.0000	0.0000	-0.0022	-5.3037	-4.0000	-9.0000	0.0000	0.0000
NYSE Arca (ARCX)	2.84	0.00	4.97	4.97	0.00	0.0000	0.0000	-0.0090	-30.0000	21.0000	18.8062	0.0000	0.0000
EPRL (EPRL)	2.46	0.00	6.81	6.81	0.00	0.0000	0.0000	-0.0002	-28.0000	31.0000	32.0000	0.0000	0.0000
HRTX (HRTX)	2.40	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS Securities LLC - UBS ATS (UBSA)	2.38	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Connect (CDED)	2.35	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX Exchange, Inc. (EDGX)	1.73	0.00	2.56	2.56	0.00	0.0000	0.0000	-0.0066	-26.2027	46.0000	25.4081	0.0000	0.0000

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November 2020

Non-S&P 500 Stocks

Summary

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99.97	0.00	31.02	63.89	5.09

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 (ARCX)	40.74	0.00	60.93	60.93	1.34	0.0000	0.0000	-2,110.0000	-28.4507	13,202.0000	24.1677	-32.0000	-13.6258
Nasdaq (XNAS)	13.11	0.00	12.39	12.39	42.52	0.0000	0.0000	-2,889.0000	-25.5297	2,833.0000	23.2408	-296.0000	-6.5917
EPRL (EPRL)	10.33	0.00	16.09	16.09	0.00	0.0000	0.0000	-23.0000	-26.6744	3,639.0000	31.9895	0.0000	0.0000
New York Stock Exchange (XNYS)	7.12	0.00	5.84	5.84	55.37	0.0000	0.0000	-509.0000	-27.9275	950.0000	16.0187	-970.0000	-10.1219
INTERACTIVE BROKERS LLC (IATS)	5.45	0.00	0.40	0.40	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
IEXD (IEXD)	3.01	0.00	0.91	0.91	0.00	0.0000	0.0000	-88.0000	-6.5273	-21.0000	-8.9359	0.0000	0.0000
CBOE EDGX Exchange, Inc. (EDGX)	2.35	0.00	0.27	0.27	0.05	0.0000	0.0000	-2,067.0000	-26.1547	47.0000	15.4742	-14.0000	-27.0000
UBS Securities LLC - UBS ATS (UBSA)	2.29	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU FINANCIAL BD LLC (VIRT)	2.06	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cboe BYX Exchange, Inc. (BATY)	2.05	0.00	1.27	1.27	0.02	0.0000	0.0000	109.0000	3.4259	0.0000	0.1795	0.0000	0.0000
Cboe BZX Exchange, Inc. (BATS)	1.60	0.00	0.58	0.58	0.02	0.0000	0.0000	-1,256.0000	-29.5137	18.0000	12.6305	-3.0000	-30.0000

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November 2020

Options

Summary

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99.99	0.52	10.59	77.42	11.47

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 Emerald, LLC. (EMLD)	34.49	3.20	42.53	42.53	12.58	2.0000	3,142.8600	-20.0000	-7.0588	6,584.0000	44.6081	356.0000	27.0700
C2 Options Exchange,	26.02	12.00	31.04	31.04	13.25	-36.0000	-3,930.4300	-581.0000	-36.5885	2,309.0000	41.3113	184.0000	35.5764

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)
Inc. (C2OX)													
Cboe EDGX Options (EDGO)	10.34	11.60	8.48	8.48	19.96	56.0000	2,100.0000	559.0000	20.1980	1,307.0000	20.9732	898.0000	39.3938
CBOE Exchange (XCBO)	9.27	0.00	6.84	6.84	14.61	0.0000	0.0000	-93.0000	-7.2702	-649.0000	-13.6513	-1,968.0000	-46.1164
NYSE ARCA Options (ARCO)	3.66	2.00	1.64	1.64	12.68	-5.0000	-4,900.0000	-1,043.0000	-51.3575	667.0000	70.4725	757.0000	47.5424
Nasdaq GEMX, LLC (GMNI)	3.42	0.40	4.15	4.15	0.00	-2.0000	-4,700.0000	-531.0000	-49.7938	736.0000	43.6574	0.0000	0.0000
Nasdaq Options Market (XNDQ)	3.17	3.20	3.20	3.20	0.00	-20.0000	-4,800.0000	-1,248.0000	-40.0587	1,134.0000	50.4313	0.0000	0.0000

Material Aspects:

MIAX Emerald, LLC. (EMLD):

IBKR may receive volume discounts that are not passed on to clients. Likewise, rebates passed on to clients by IBKR may be less than the rebates IBKR receives from the relevant market. For example, IBKR may receive enhanced rebate payments for exceeding volume thresholds on particular markets, but typically will not pass these enhancements directly to clients.

C2 Options Exchange, Inc. (C2OX):

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Cboe EDGX Options (EDGO):

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Nasdaq GEMX, LLC (GMNI):

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Nasdaq Options Market (XNDQ):

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December 2020

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
99.99	0.00	48.34	29.67	22.00

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)
New York Stock Exchange (XNYS)	27.80	0.00	38.29	38.29	66.18	0.0000	0.0000	-0.0099	-19.8952	594.0000	18.9221	-312.0000	-10.0000
Nasdaq (XNAS)	21.15	0.00	37.24	37.24	33.82	0.0000	0.0000	-0.0177	-15.0261	574.0000	22.1296	-49.0000	-3.9102
INTERACTIVE BROKERS LLC (IATS)	12.11	0.00	0.35	0.35	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NYSE Arca (ARCX)	5.62	0.00	12.24	12.24	0.00	0.0000	0.0000	-0.0155	-25.9017	50.0000	17.2749	0.0000	0.0000
IEX SERVICES LLC (IEXG)	4.98	0.00	0.64	0.64	0.00	0.0000	0.0000	-0.0030	-6.0785	-4.0000	-9.0000	0.0000	0.0000
UBS Securities LLC - UBS ATS (UBSA)	3.66	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Connect (CDED)	2.79	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HRTX (HRTX)	2.64	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX Exchange, Inc. (EDGX)	2.61	0.00	1.31	1.31	0.00	0.0000	0.0000	-0.0198	-18.5893	16.0000	22.3195	0.0000	0.0000
VIRTU FINANCIAL BD LLC (VIRT)	2.37	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
EPRL (EPRL)	2.30	0.00	7.08	7.08	0.00	0.0000	0.0000	-0.0008	-28.0000	62.0000	25.3736	0.0000	0.0000
Cboe EDGA Exchange, Inc. (EDGA)	2.27	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0064	16.3771	0.0000	0.0000	0.0000	0.0000

Material Aspects:

New York Stock Exchange (XNYS):

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Nasdaq (XNAS):

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INTERACTIVE BROKERS LLC (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS, on which it executes IBKR client orders against each other or against one or more professional liquidity providers who send orders 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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Citadel Connect (CDED):

IBKR-LITE clients are generally charged zero commission for NMS stock and ETF orders. IBKR-LITE orders are generally routed to select over-the-counter market-makers for handling. IBKR's agreements with the Market Makers provide Interactive Brokers payment for order flow from each Market Maker for trades executed with that Market Maker.

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)
LLC (VIRT)													
Citadel Connect (CDED)	2.55	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cboe BZX Exchange, Inc. (BATS)	1.87	0.00	0.96	0.96	0.09	0.0000	0.0000	-1,022.0000	-28.9005	38.0000	13.6697	-0.0000	-30.0000
Cboe EDGA Exchange, Inc. (EDGA)	1.85	0.00	0.01	0.01	0.00	0.0000	0.0000	449.0000	15.5867	-2.0000	-10.0000	0.0000	0.0000

Material Aspects:

Nasdaq (XNAS):

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NYSE Arca (ARCX):

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New York Stock Exchange (XNYS):

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INTERACTIVE BROKERS LLC (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS, on which it executes IBKR client orders against each other or against one or more professional liquidity providers who send orders 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>.

EPRL (EPRL):

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CBOE EDGX Exchange, Inc. (EDGX):

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Cboe BYX Exchange, Inc. (BATY):

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VIRTU FINANCIAL BD LLC (VIRT):

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Citadel Connect (CDED):

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Cboe BZX Exchange, Inc. (BATS):

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Cboe EDGA Exchange, Inc. (EDGA):

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December 2020

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
99.99	0.34	10.26	69.08	20.33

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 Emerald, LLC. (EMLD)	26.40	3.66	33.47	33.47	15.34	1.0000	428.5700	-13.0000	-3.3538	4,695.0000	43.2278	795.0000	28.2977
C2 Options Exchange, Inc. (C2OX)	23.30	10.37	29.25	29.25	12.19	-6.0000	-3,950.0000	-511.0000	-42.8297	2,148.0000	39.3448	1,110.0000	24.7693
Cboe EDGX Options (EDGO)	12.64	9.15	10.66	10.66	19.95	8.0000	2,046.1500	406.0000	19.1608	1,376.0000	20.9141	1,470.0000	52.5789
CBOE Exchange (XCBO)	8.52	0.61	7.17	7.17	7.62	0.0000	975.0000	-121.0000	-9.5141	-1,348.0000	-19.7609	-2,163.0000	-42.0801
Nasdaq Options Market (XNDQ)	6.23	1.22	8.12	8.12	0.00	-2.0000	-4,800.0000	-740.0000	-40.6293	1,435.0000	44.4421	0.0000	0.0000
NYSE ARCA Options (ARCO)	5.39	3.66	2.45	2.45	13.97	-10.0000	-6,820.0000	-801.0000	-54.0722	721.0000	63.2421	2,524.0000	40.8424
Nasdaq ISE (XISX)	4.12	62.80	0.98	0.98	13.27	-150.0000	-3,928.2700	-265.0000	-35.4091	414.0000	72.2705	979.0000	34.8495
Nasdaq OMX PHLX (XPHL)	3.66	0.00	0.29	0.29	15.82	0.0000	0.0000	4.0000	0.4579	0.0000	0.0000	0.0000	0.0000

Material Aspects:

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Cboe EDGX Options (EDGO):

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Nasdaq Options Market (XNDQ):

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NYSE ARCA Options (ARCO):

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Nasdaq ISE (XISX):

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Nasdaq OMX PHLX (XPHL):

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