

Truist Investment Services, Inc. - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2023

October 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
100.00	90.89	0.27	8.63	0.21

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 (CDRG)	28.03	30.26	24.26	2.67	50.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	21.07	22.78	19.53	1.87	25.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	15.02	16.28	8.88	1.08	16.67	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	13.60	14.80	9.47	0.71	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Fidelity CrossStream ATS (XSTM)	12.96	14.12	26.04	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE New York Stock Exchange, Inc (NYSE)	4.07	0.00	2.96	49.54	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NADAQ Execution Services, LLC (INET)	3.27	0.00	5.92	39.73	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	1.19	1.27	1.78	0.10	5.30	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	0.45	0.48	0.59	0.08	3.03	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE EDGX U.S. Equities Exchange (EDGX)	0.35	0.00	0.59	4.22	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

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October 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
100.00	88.33	0.75	10.68	0.24

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 (CDRG)	24.62	26.97	20.04	2.66	55.29	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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)
Fidelity CrossStream ATS (XSTM)	20.38	22.47	44.09	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	18.91	20.81	13.23	1.82	23.53	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	13.32	14.72	9.82	0.87	10.59	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	12.20	13.51	10.42	0.62	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NADAQ Execution Services, LLC (INET)	3.83	0.17	0.80	37.58	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE New York Stock Exchange, Inc (NYSE)	2.62	0.09	0.20	26.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE BZX U.S. Equities Exchange (BATS)	1.88	0.15	0.00	17.97	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE ARCA (ARCA)	1.22	0.00	0.60	12.41	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	1.04	1.12	0.80	0.06	10.59	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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October 2023

Options Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	26.73	5.16	68.01	0.11

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 (CDRG)	39.48	45.31	36.99	37.44	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Svc. (WEXX)	17.48	0.79	0.68	25.34	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
DASH FINANCIAL LLC (DFIN)	13.14	6.87	6.85	16.10	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna International Group, LLP (SUSQ)	9.50	30.12	17.12	0.83	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley (MSCO)	5.40	3.57	24.66	4.67	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE ARCA (ARCA)	4.73	4.36	4.11	4.88	33.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Chicago Board Options Exchange (CBOE)	4.34	3.57	3.42	4.67	33.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000
The Nasdaq Stock Market LLC (NSDQ)	3.11	3.83	2.74	2.80	33.33	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE BZX U.S. Equities Exchange (BATS)	2.47	1.59	2.05	2.86	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Global Execution Brokers, LP (GEBB)	0.35	0.00	1.37	0.42	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

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DASH FINANCIAL LLC (DFIN):

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Susquehanna International Group, LLP (SUSQ):

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Morgan Stanley (MSCO):

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NYSE ARCA (ARCA):

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Chicago Board Options Exchange (CBOE):

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The Nasdaq Stock Market LLC (NSDQ):

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November 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
100.00	92.03	0.26	7.59	0.12

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 (CDRG)	27.65	29.66	22.58	3.10	46.58	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	20.49	22.04	16.77	1.53	28.77	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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G1 Execution Services, LLC (ETMM)	15.95	17.19	9.68	1.15	10.96	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	13.84	14.90	9.68	1.19	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Fidelity CrossStream ATS (XSTM)	13.54	14.61	37.42	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE New York Stock Exchange, Inc (NYSE)	4.00	0.00	2.58	52.86	0.00	0	0.0000	-0	0.0000	0	0.0000	0	0.0000
NADAQ Execution Services, LLC (INET)	2.69	0.00	1.29	35.58	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	1.05	1.12	0.00	0.19	9.59	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	0.45	0.48	0.00	0.02	4.11	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE EDGX U.S. Equities Exchange (EDGX)	0.33	0.00	0.00	4.39	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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Venues

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Citadel Securities (CDRG)	24.44	26.51	17.82	2.16	58.65	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Fidelity CrossStream ATS (XSTM)	22.04	23.96	44.00	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	18.13	19.70	15.45	1.54	23.31	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	14.27	15.58	11.45	0.83	6.02	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	12.06	13.18	9.82	0.60	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NADAQ Execution Services, LLC (INET)	3.65	0.00	0.18	43.07	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE New York Stock Exchange, Inc (NYSE)	2.66	0.00	0.36	31.35	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	1.00	1.07	0.73	0.03	12.03	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE BZX U.S. Equities Exchange (BATS)	0.88	0.00	0.00	10.42	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE ARCA (ARCA)	0.85	0.00	0.18	9.99	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

NYSE New York Stock Exchange, Inc (NYSE):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Two Sigma Securities (SOHO):

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CBOE BZX U.S. Equities Exchange (BATS):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

NYSE ARCA (ARCA):

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November 2023

Options Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	32.63	4.04	63.29	0.05

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities (CDRG)	50.17	59.35	35.71	46.39	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Svc. (WEXX)	16.19	0.88	7.14	24.68	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
DASH FINANCIAL LLC (DFIN)	13.98	8.84	2.38	17.39	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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)
Susquehanna International Group, LLP (SUSQ)	9.71	23.42	9.52	2.66	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley (MSCO)	5.86	2.80	38.10	5.32	100.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE ARCA (ARCA)	1.49	2.21	2.38	1.06	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE BZX U.S. Equities Exchange (BATS)	0.96	1.03	2.38	0.84	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Chicago Board Options Exchange (CBOE)	0.96	0.88	2.38	0.91	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Global Execution Brokers, LP (GEBB)	0.34	0.00	0.00	0.53	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
The Nasdaq Stock Market LLC (NSDQ)	0.34	0.59	0.00	0.23	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

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Wolverine Execution Svc. (WEXX):

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DASH FINANCIAL LLC (DFIN):

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Susquehanna International Group, LLP (SUSQ):

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Morgan Stanley (MSCO):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

NYSE ARCA (ARCA):

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CBOE BZX U.S. Equities Exchange (BATS):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Chicago Board Options Exchange (CBOE):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Global Execution Brokers, LP (GEBB):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

The Nasdaq Stock Market LLC (NSDQ):

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December 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
100.00	91.57	0.35	7.92	0.15

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 (CDRG)	25.98	27.97	17.60	2.71	43.27	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	19.22	20.77	12.88	1.45	11.54	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Virtu Americas, LLC (NITE)	18.12	19.51	15.02	1.87	18.27	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	14.26	15.41	14.16	1.09	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Fidelity CrossStream ATS (XSTM)	13.83	14.94	37.34	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE New York Stock Exchange, Inc (NYSE)	4.14	0.00	2.15	52.82	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NADAQ Execution Services, LLC (INET)	2.76	0.00	0.86	35.27	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Two Sigma Securities (SOHO)	0.88	0.91	0.00	0.11	23.08	0	0.0000	0	0.0000	0	0.0000	0	0.0000
UBS Securities LLC (UBSS)	0.45	0.49	0.00	0.04	1.92	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE EDGX U.S. Equities Exchange (EDGX)	0.37	0.00	0.00	4.64	1.92	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

G1 Execution Services, LLC (ETMM):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Virtu Americas, LLC (NITE):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Jane Street Capital, LLC (JNST):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Fidelity CrossStream ATS (XSTM):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

NYSE New York Stock Exchange, Inc (NYSE):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

NADAQ Execution Services, LLC (INET):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Two Sigma Securities (SOHO):

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UBS Securities LLC (UBSS):

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CBOE EDGX U.S. Equities Exchange (EDGX):

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December 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
100.00	88.68	0.93	10.08	0.31

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 (CDRG)	22.63	24.87	20.13	2.13	57.58	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Fidelity CrossStream ATS (XSTM)	21.87	24.20	45.13	0.00	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
G1 Execution Services, LLC (ETMM)	16.89	18.76	10.55	1.06	13.13	0	0.0000	0	0.0000	0	0.0000	0	0.0000

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)
Virtu Americas, LLC (NITE)	16.14	17.82	13.47	1.23	29.29	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Jane Street Capital, LLC (JNST)	12.85	14.31	8.12	0.74	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NADAQ Execution Services, LLC (INET)	3.67	0.04	0.81	36.02	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE New York Stock Exchange, Inc (NYSE)	2.50	0.00	0.81	24.71	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE ARCA (ARCA)	1.43	0.00	0.97	14.08	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE BZX U.S. Equities Exchange (BATS)	1.14	0.00	0.00	11.30	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE EDGX U.S. Equities Exchange (EDGX)	0.89	0.01	0.00	8.74	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

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Virtu Americas, LLC (NITE):

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Jane Street Capital, LLC (JNST):

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NYSE New York Stock Exchange, Inc (NYSE):

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NYSE ARCA (ARCA):

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CBOE BZX U.S. Equities Exchange (BATS):

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CBOE EDGX U.S. Equities Exchange (EDGX):

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December 2023

Options Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	27.12	4.53	68.36	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)
Citadel Securities (CDRG)	40.07	45.59	26.02	38.81	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Wolverine Execution Svc. (WEXX)	17.70	0.95	1.63	25.40	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
DASH FINANCIAL LLC (DFIN)	14.53	10.72	6.50	16.58	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Susquehanna International Group, LLP (SUSQ)	8.31	22.12	17.07	2.26	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Morgan Stanley (MSCO)	5.37	4.48	19.51	4.79	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
NYSE ARCA (ARCA)	4.86	5.83	11.38	4.04	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Chicago Board Options Exchange (CBOE)	3.64	3.80	1.63	3.71	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
The Nasdaq Stock Market LLC (NSDQ)	3.13	2.44	11.38	2.85	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
CBOE BZX U.S. Equities Exchange (BATS)	1.73	3.53	4.07	0.86	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000
Global Execution Brokers, LP (GEBB)	0.66	0.54	0.81	0.70	0.00	0	0.0000	0	0.0000	0	0.0000	0	0.0000

Material Aspects:

Citadel Securities (CDRG):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

Wolverine Execution Svc. (WEXX):

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DASH FINANCIAL LLC (DFIN):

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Susquehanna International Group, LLP (SUSQ):

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Morgan Stanley (MSCO):

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NYSE ARCA (ARCA):

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Chicago Board Options Exchange (CBOE):

Truist Investment Services, Inc. (TIS) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement; Per agreement with NFS, TIS receives no payment for order flow. The order routing information contained in this report is provided by NFS

The Nasdaq Stock Market LLC (NSDQ):

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CBOE BZX U.S. Equities Exchange (BATS):

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Global Execution Brokers, LP (GEBB):

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