

# Tastytrade Inc - Held NMS Stocks and Options Order Routing Public Report

Generated on Wed Oct 25 2023 17:03:07 GMT-0400 (Eastern Daylight Time)

3rd Quarter, 2023

July 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	12.77	32.69	42.92	11.62

### 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	65.84	65.53	65.96	66.07	64.99	603.94	15.0000	2,352.96	14.9350	2,250.23	14.7924	850.52	11.4400
G1 Execution Services, LLC	32.89	33.10	32.77	32.63	33.95	312.75	14.9236	1,094.35	14.8143	1,192.35	14.8926	376.58	14.9698

### Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

G1 Execution Services, LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment rate is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

July 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	27.36	36.65	26.53	9.46

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	65.61	65.72	65.92	65.16	65.33	5,482.06	13.6866	18,776.84	12.1886	8,868.99	13.1109	3,349.01	6.3595
G1 Execution Services, LLC	33.08	32.89	32.81	33.54	33.40	2,684.91	13.9540	8,722.65	11.9241	4,874.16	13.2736	1,592.38	13.8963

Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

G1 Execution Services, LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

-----

July 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	1.46	7.26	7.86	83.42

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	40.06	56.52	56.53	56.78	36.76	83,202.66	37.7034	578,144.32	36.1152	216,130.28	28.2443	389,974.54	20.5351
Dash/IMC Financial Markets	34.98	22.72	22.67	23.27	37.37	34,990.88	37.6785	210,986.11	35.2462	100,352.41	28.9464	456,194.37	19.3882
Global Execution Brokers, LP	15.43	16.88	16.43	16.56	15.21	21,500.39	37.2366	108,556.60	34.1137	78,927.61	30.0321	154,477.27	17.9185

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)
Wolverine Execution Services	9.46	3.88	4.36	3.40	10.58	5,958.40	39.0280	42,807.20	37.9470	20,992.00	35.5501	165,158.40	29.4310

Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

Dash/IMC Financial Markets:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions. In connection with Dash Financial's handling of tastytrade, Inc.'s listed option orders, Dash has arrangements with multiple unaffiliated liquidity providers, including IMC Financial Markets, 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 tastytrade, Inc.'s listed option orders, including reciprocal order flow consideration or payment per contract in return for tastytrade, Inc.'s listed option orders that Dash routes or directs.

Global Execution Brokers, LP:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

Wolverine Execution Services:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

August 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	12.64	29.73	42.53	15.09

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)
CITADEL SECURITIES LLC	61.07	60.08	61.02	60.67	63.14	665.54	15.0000	1,765.98	14.9461	1,756.37	14.8114	741.92	11.1590
G1 Execution Services, LLC	26.07	25.36	25.68	26.01	27.63	280.91	14.7560	716.93	13.9845	777.05	14.8532	326.52	14.9184
Jane Street Capital	10.55	12.00	10.88	11.00	7.41	132.88	15.0000	320.62	15.0000	338.81	15.0000	74.05	15.0000

Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

G1 Execution Services, LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment rate is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

Jane Street Capital:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

August 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	27.75	38.82	24.95	8.48

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	60.73	60.40	60.49	60.56	63.40	7,343.73	13.8829	33,947.64	12.5921	7,920.88	11.7254	3,557.55	5.1815
G1 Execution Services, LLC	25.80	24.40	25.49	27.10	28.02	3,270.48	12.6081	14,226.29	12.1259	3,744.20	12.3699	1,738.94	14.0940
Jane Street Capital	10.98	12.50	11.40	10.10	6.72	1,263.51	14.2043	7,147.16	13.6129	1,406.90	12.1819	300.51	14.3955

Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

G1 Execution Services, LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

Jane Street Capital:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

# August 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	1.61	6.91	7.09	84.39

### 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	39.53	51.53	51.11	51.33	37.36	112,623.84	36.4856	624,844.90	35.2810	207,775.15	25.9304	422,678.06	18.6930
Dash/IMC Financial Markets	35.30	20.45	20.40	20.97	38.01	43,962.58	35.4691	233,538.04	34.7048	99,669.99	28.0592	488,047.25	17.5279
Global Execution Brokers, LP	15.17	24.54	24.60	24.58	13.42	52,267.11	36.3893	180,560.91	32.4444	128,627.51	28.4592	122,449.59	14.3031
Wolverine Execution Services	9.95	3.47	3.88	3.12	11.14	8,573.20	38.6738	45,227.20	37.7810	20,812.40	34.5136	187,127.60	28.5462

### Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

Dash/IMC Financial Markets:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions. In connection with Dash Financial's handling of tastytrade, Inc.'s listed option orders, Dash has arrangements with multiple unaffiliated liquidity providers, including IMC Financial Markets, 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 tastytrade, Inc.'s listed option orders, including reciprocal order flow consideration or payment per contract in return for tastytrade, Inc.'s listed option orders that Dash routes or directs.

Global Execution Brokers, LP:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

Wolverine Execution Services:  
tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

# September 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	11.51	30.54	41.53	16.42

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	50.12	50.05	49.49	50.61	50.10	408.92	15.0001	1,240.00	14.8591	1,230.67	14.8358	576.66	10.5709
Jane Street Capital	26.84	27.83	27.67	26.33	25.90	226.78	15.0000	748.18	15.0000	678.81	15.0000	380.34	15.0000
G1 Execution Services, LLC	19.15	18.04	18.85	19.27	20.21	174.49	14.8288	439.09	14.7235	488.69	14.9088	239.82	14.9077

Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

Jane Street Capital:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

G1 Execution Services, LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment rate is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

September 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	34.23	37.02	21.14	7.62

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	49.71	48.84	49.50	50.90	51.41	4,700.95	13.2364	10,751.78	12.4342	5,144.91	12.3788	1,062.08	2.6368
Jane Street Capital	27.85	29.43	28.09	26.02	24.67	3,530.67	12.9912	6,066.03	12.5089	2,519.17	13.1704	1,349.61	14.1556
G1 Execution Services, LLC	18.45	17.56	18.38	19.46	19.95	2,103.04	13.8831	3,871.98	12.4935	1,926.06	11.7688	1,017.38	13.1239

Material Aspects:

CITADEL SECURITIES LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

Jane Street Capital:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

G1 Execution Services, LLC:  
tastytrade, Inc. receives payment for executed listed equity orders routed to market makers. The payment is \$0.0015 per share for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing listed equity order flow to a market maker.

-----

## September 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	1.57	6.87	6.85	84.71

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	39.36	51.16	50.76	50.81	37.30	96,613.72	33.1917	456,148.84	31.1887	136,656.15	21.6580	294,987.72	15.3580
Dash/IMC Financial Markets	35.54	20.24	20.24	20.70	38.26	41,491.46	32.7848	170,551.41	30.3395	59,888.76	22.6645	278,938.90	12.2807
Global Execution Brokers, LP	15.10	25.22	25.22	25.43	13.26	40,400.13	32.8820	143,004.42	28.8922	81,782.20	24.0568	78,415.42	10.9962

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)
Wolverine Execution Services	9.94	3.38	3.78	3.07	11.12	7,836.12	34.8504	31,510.80	33.7508	12,351.24	30.2289	134,455.68	24.8026

### Material Aspects:

#### CITADEL SECURITIES LLC:

tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

#### Dash/IMC Financial Markets:

tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions. In connection with Dash Financial's handling of tastytrade, Inc.'s listed option orders, Dash has arrangements with multiple unaffiliated liquidity providers, including IMC Financial Markets, 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 tastytrade, Inc.'s listed option orders, including reciprocal order flow consideration or payment per contract in return for tastytrade, Inc.'s listed option orders that Dash routes or directs.

#### Global Execution Brokers, LP:

tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.

#### Wolverine Execution Services:

tastytrade, Inc. receives payment for executed multi-listed option orders routed to market makers. tastytrade, Inc. does not receive payment for executed single-listed index option orders routed to market makers. For single and complex option order flow, the payment received per contract was \$0.40 in July, \$0.40 in August and \$0.36 in September. The payment received is the same for all order types. tastytrade, Inc. does not have arrangements for order flow type or negotiate payment as a condition for increasing option order flow to a market maker. All market makers pay the same per contract rates. Per contract payment is subject to change on a monthly basis as a result of market conditions.