

# MRSC - Held NMS Stocks and Options Order Routing Public Report

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3rd Quarter, 2020

July 2020

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## 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
90.48	0.00	0.00	0.00	100.00

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Derivatives Group (CDRG)	65.79	0.00	0.00	0.00	65.79	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
QUIK (QUIK)	13.16	0.00	0.00	0.00	13.16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
QMSX (QMSX)	10.53	0.00	0.00	0.00	10.53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
APCC (APCC)	5.26	0.00	0.00	0.00	5.26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
QMSR (QMSR)	5.26	0.00	0.00	0.00	5.26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

July 2020

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## 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
90.16	1.82	1.82	1.82	94.55

### 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 Derivatives Group (CDRG)	78.18	100.00	100.00	100.00	76.92	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
QUIK (QUIK)	10.91	0.00	0.00	0.00	11.54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
APCC (APCC)	10.91	0.00	0.00	0.00	11.54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## July 2020

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### Option Contracts

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	0.00	0.00	100.00

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non - Marketable Limit Orders(USD)	Net Payment Paid/Received for Non - Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
OPCT (OPCT)	50.00	0.00	0.00	0.00	50.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Derivatives Group (CDRG)	35.00	0.00	0.00	0.00	35.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
XPHO (XPHO)	5.00	0.00	0.00	0.00	5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE (CBOE)	5.00	0.00	0.00	0.00	5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
XBOX (XBOX)	5.00	0.00	0.00	0.00	5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## August 2020

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### 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
77.78	0.00	2.38	4.76	92.86

## 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 Derivatives Group (CDRG)	88.10	0.00	0.00	100.00	89.74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
APCC (APCC)	9.52	0.00	100.00	0.00	7.69	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
QMSX (QMSX)	2.38	0.00	0.00	0.00	2.56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## August 2020

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### 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
85.66	0.93	3.26	11.63	84.19

## 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 Derivatives Group (CDRG)	79.53	50.00	85.71	96.00	77.35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
APCC (APCC)	13.02	50.00	14.29	0.00	14.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
QUIK (QUIK)	7.44	0.00	0.00	4.00	8.29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## August 2020

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### Option Contracts

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	0.00	0.00	100.00

## Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non - Marketable Limit Orders(USD)	Net Payment Paid/Received for Non - Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
OPCT (OPCT)	46.15	0.00	0.00	0.00	46.15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Citadel Derivatives Group (CDRG)	33.33	0.00	0.00	0.00	33.33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE (CBOE)	5.13	0.00	0.00	0.00	5.13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
APCC (APCC)	5.13	0.00	0.00	0.00	5.13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
XBOX (XBOX)	5.13	0.00	0.00	0.00	5.13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
XPHO (XPHO)	5.13	0.00	0.00	0.00	5.13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## September 2020

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## 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
88.61	0.42	1.94	14.67	82.97

## 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 Derivatives Group (CDRG)	94.85	100.00	100.00	93.80	94.89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
APCC (APCC)	4.79	0.00	0.00	6.20	4.67	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS Securities (UBSS)	0.24	0.00	0.00	0.00	0.29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
QMSX (QMSX)	0.12	0.00	0.00	0.00	0.15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## September 2020

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## Non-S&P 500 Stocks

### Summary

