

**Nasdaq MRX  
Schedule of Fees**

*Last Updated October 2, 2017*

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## PREFACE

All fee disputes concerning fees which are billed by the Exchange must be submitted to the Exchange in writing and must be accompanied by supporting documentation. All fee disputes must be submitted no later than sixty calendar (60) days after receipt of a billing invoice.

For purposes of assessing fees, the following references should serve as guidance. Fees and rebates are listed per contract per leg unless otherwise noted.

A “**Priority Customer**” is a person or entity that is not a broker/dealer in securities, and does not place more than 390 orders in listed options per day on average during a calendar month for its own beneficial account(s), as defined in Nasdaq MRX Rule 100(a)(37A).

A “**Professional Customer**” is a person or entity that is not a broker/dealer and is not a Priority Customer.

A “**Non-Nasdaq MRX Market Maker**” is a market maker as defined in Section 3(a)(38) of the Securities Exchange Act of 1934, as amended, registered in the same options class on another options exchange.

A “**Firm Proprietary**” order is an order submitted by a member for its own proprietary account.

A “**Broker-Dealer**” order is an order submitted by a member for a broker-dealer account that is not its own proprietary account.

A “**Nasdaq MRX Appointed Market Maker**” is an Nasdaq MRX Market Maker who has been appointed by an Electronic Access Member pursuant to Section I, Table 4.

A “**Nasdaq MRX Appointed Order Flow Provider**” is an Electronic Access Member who has been appointed by an Nasdaq MRX Market Maker pursuant to Section I, Table 4.

A “**Retail**” order is a Priority Customer order that originates from a natural person, provided that no change is made to the terms of the order with respect to price or side of market and the order does not originate from a trading algorithm or any other computerized methodology.

A “**Flash Order**” is an order that is exposed at the National Best Bid or Offer by the Exchange to all members for execution, as provided under Supplementary Material .02 to Nasdaq MRX Rule 1901.

A “**Regular Order**” is an order that consists of only a single option series and is not submitted with a stock leg.

A “**Crossing Order**” is an order executed in the Exchange’s Facilitation Mechanism, Solicited Order Mechanism, Price Improvement Mechanism (“PIM”) or submitted as a Qualified Contingent Cross order. For purposes of this Fee Schedule, orders executed in the Block Order Mechanism are also considered Crossing Orders.

“**Responses to Crossing Order**” is any contra-side interest (i.e., orders & quotes) submitted after the commencement of an auction in the Exchange’s Facilitation Mechanism, Solicited Order Mechanism, Block Order Mechanism or Price Improvement Mechanism.

**“Penny Symbols”** are options overlying all symbols listed on Nasdaq MRX that are in the Penny Pilot Program. The current list of Nasdaq MRX-listed Penny Pilot Program symbols is available at [http://www.ise.com/assets/files/products/productstraded/options\\_product\\_equityDownload.csv](http://www.ise.com/assets/files/products/productstraded/options_product_equityDownload.csv)

**“Non- Penny Symbols”** are options overlying all symbols excluding Penny Symbols.

I. Regular Order Fees and Rebates

Table 1

<b>Penny Symbols</b>					
<b>Market Participant</b>	<b>Fee/Rebate Tier 1</b>	<b>Fee/Rebate Tier 2</b>	<b>Fee/Rebate Tier 3</b>	<b>Fee/Rebate Tier 4</b>	<b>Fee/Rebate Tier 5</b>
Market Maker <sup>(1) (2)</sup>	\$0.25	\$0.22	\$0.18	\$0.15	\$0.10
Non-Nasdaq MRX Market Maker (FarMM)	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Firm Proprietary / Broker-Dealer	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Professional Customer	\$0.47	\$0.47	\$0.47	\$0.47	\$0.47
Priority Customer	(\$0.05)	(\$0.10)	(\$0.15)	(\$0.21)	(\$0.24)

  

<b>Non-Penny Symbols</b>					
<b>Market Participant</b>	<b>Fee/Rebate Tier 1</b>	<b>Fee/Rebate Tier 2</b>	<b>Fee/Rebate Tier 3</b>	<b>Fee/Rebate Tier 4</b>	<b>Fee/Rebate Tier 5</b>
Market Maker <sup>(1) (2)</sup>	\$0.25	\$0.22	\$0.18	\$0.15	\$0.10
Non-Nasdaq MRX Market Maker (FarMM)	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90
Firm Proprietary / Broker-Dealer	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90
Professional Customer	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90
Priority Customer	(\$0.05)	(\$0.10)	(\$0.15)	(\$0.21)	(\$0.24)

1. This fee also applies to Nasdaq MRX Market Maker orders sent to the Exchange by Electronic Access Members.
2. Market Makers will receive a \$0.05 per contract discount when trading against a non-Priority Customer.

**Table 2**

<b>Penny Symbols</b>		
<b>Market Participant</b>	<b>Fee for Crossing Orders (Except PIM Orders of 500 or Fewer Contracts) <sup>(1)(2)</sup></b>	<b>Fee for Responses to Crossing Orders</b>
Market Maker <sup>(4)</sup>	\$0.20	\$0.25 <sup>(5)</sup>
Non-Nasdaq MRX Market Maker (FarMM)	\$0.20	\$0.50
Firm Proprietary / Broker-Dealer	\$0.20	\$0.50
Professional Customer	\$0.20	\$0.50
Priority Customer	\$0.00	\$0.50

  

<b>Non-Penny Symbols</b>		
<b>Market Participant</b>	<b>Fee for Crossing Orders (Except PIM Orders of 500 or Fewer Contracts) <sup>(1)(2)</sup></b>	<b>Fee for Responses to Crossing Orders</b>
Market Maker <sup>(4)</sup>	\$0.20	\$0.25 <sup>(5)</sup>
Non-Nasdaq MRX Market Maker (FarMM)	\$0.20	\$0.95
Firm Proprietary / Broker-Dealer	\$0.20	\$0.95
Professional Customer	\$0.20	\$0.95
Priority Customer	\$0.00	\$0.95

**Table 3**

<b>All Symbols</b>					
<b>Market Participant</b>	<b>Fee/Rebate for PIM Orders of 500 or Fewer Contracts</b> <b>Tier 1<sup>(1)</sup></b>	<b>Fee/Rebate for PIM Orders of 500 or Fewer Contracts</b> <b>Tier 2<sup>(1)</sup></b>	<b>Fee/Rebate for PIM Orders of 500 or Fewer Contracts</b> <b>Tier 3<sup>(1)</sup></b>	<b>Fee/Rebate for PIM Orders of 500 or Fewer Contracts</b> <b>Tier 4<sup>(1)</sup></b>	<b>Fee/Rebate for PIM Orders of 500 or Fewer Contracts</b> <b>Tier 5<sup>(1)</sup></b>
Market Maker <sup>(4)</sup>	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05
Non-Nasdaq MRX Market Maker (FarMM)	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05
Firm Proprietary / Broker-Dealer Professional	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05
Customer	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05
Priority Customer <sup>(3)</sup>	(\$0.11)	(\$0.11)	(\$0.13)	(\$0.13)	(\$0.13)

1. Fees apply to the originating and contra orders, except as noted in 3, below.
2. PIM orders of more than 500 contracts will pay the Fee for Crossing Orders.
3. Priority Customer orders on the contra-side of a PIM auction pay no fee and receive no rebate.
4. This fee also applies to Nasdaq MRX Market Maker orders sent to the Exchange by Electronic Access Members.
5. Market Makers that achieve Tier 2 or higher of the Qualifying Tier Thresholds in Table 4, below, will be charged the discounted fee applicable to the tier reached as described in Table 1, above.

## Member Volume Program: Qualifying Tier Thresholds

Table 4

Tier	Total Affiliated and/or Appointed Priority Customer ADV
Tier 1	0-19,999
Tier 2	20,000-39,999
Tier 3	40,000-59,999
Tier 4	60,000-79,999
Tier 5	80,000+

- Any day that the market is not open for the entire trading day or the Exchange instructs Members in writing to route their orders to other markets may be excluded from the ADV calculation; provided that the Exchange will only remove the day for members that would have a lower ADV with the day included.
- The highest tier threshold attained applies retroactively in a given month to all eligible traded contracts and applies to all eligible market participants.
- The Total Affiliated Priority Customer ADV category includes all Priority Customer volume executed on the Exchange in all symbols and order types, including volume executed in the PIM, Facilitation, and QCC mechanisms.
- All eligible volume from affiliated Members will be aggregated in determining applicable tiers, provided there is at least 75% common ownership between the Members as reflected on the Member's Form BD, Schedule A.
- All eligible volume from a Nasdaq MRX Appointed Order Flow Provider will be aggregated with its designated Nasdaq MRX Appointed Market Maker's eligible volume in determining the Nasdaq MRX Appointed Market Maker's applicable tiers, provided the Nasdaq MRX Appointed Market Maker is designated by the Mercury Appointed Order Flow Provider in accordance with the below instructions.
- A Nasdaq MRX Appointed Market Maker is eligible to receive and aggregate volume credit from both their affiliated Members and their Nasdaq MRX Appointed Order Flow Provider. A Nasdaq MRX Appointed Order Flow Provider will not receive volume credit from its Nasdaq MRX Appointed Market Maker or the Nasdaq MRX Appointed Market Maker's affiliates in determining its applicable tiers.
- Designating a Nasdaq MRX Appointed Market Maker / Appointed Order Flow Provider: An Nasdaq MRX Market Maker appoints an Electronic Access Member as its Appointed Order Flow Provider and an Electronic Access Member appoints an Nasdaq MRX Market Maker as its Appointed Market Maker, for the purposes of the Fee Schedule, by each sending an email to [bizdev@ise.com](mailto:bizdev@ise.com). These corresponding emails will be viewed as acceptance of the appointment.
- The Exchange will recognize one such designation for each party. A party may make a designation not more than once every 6 months, which designation shall remain in effect until the Exchange receives an email from either party indicating that the appointment has been terminated.



## II. Other Options Fees and Rebates

### A. Route-Out Fees<sup>1</sup>

Market Participant	Penny Symbols	Non-Penny Symbols
All Market Participants	\$0.55	\$0.96

1. Fee applies to executions of orders that are routed to one or more exchanges in connection with the Options Order Protection and Locked/Crossed Market Plan.

### B. Marketing Fee

Market Participant	Penny Symbols	Non-Penny Symbols
Market Maker	\$0.25	\$0.70

- Marketing fees apply to Nasdaq MRX Market Makers for each Regular Priority Customer contract executed except as noted below.
- Marketing fees are waived for Flash Order responses.
- The marketing fee will be rebated proportionately to the members that paid the fee such that on a monthly basis the marketing fee fund balance administered by a Primary Market Maker for a Group of options established under Rule 802(b) does not exceed \$100,000 and the marketing fee fund balance administered by a preferred Competitive Market Maker for such a Group does not exceed \$100,000. A preferred Competitive Market Maker that elects not to administer a fund will not be charged the marketing fee. The Exchange assesses an administrative fee of .45% on the total amount of the funds collected each month.

### C. INET Port Fees\*

SQF Port Fee:	\$0 per port per month
SQF Purge Port Fee:	\$0 per port per month
OTTO Port Fee:	\$0 per port per month
CTI Port Fee:	\$0 per port per month
FIX Port Fee:	\$0 per port per month
FIX Drop Port Fee:	\$0 per port per month
Disaster Recovery Port Fee:	\$0 per port per month

\* The connectivity provided under this section applies to ports used to connect to the re-platformed Nasdaq MRX trading system.

### III. Legal & Regulatory

#### A. FINRA Web CRD Fees

These fees are collected and retained by FINRA via the Web CRD registration system for the registration of associated persons of member organizations of the Exchange that are not FINRA members.

General Registration Fees:

\$100 – For each initial Form U4 filed for the registration of a representative or principal.

\$110 – For the additional processing of each initial or amended Form U4, Form U5 or Form BD that includes the initial reporting, amendment or certification of one or more disclosure events or proceedings.

\$45 – FINRA Annual System Processing Fee Assessed only during Renewals.

Fingerprint Processing Fees:

\$27.75 – Initial Submission (Electronic)

\$42.75 – Initial Submission (Paper)

\$15.00 – Second Submission (Electronic)

\$30.00 – Second Submission (Paper)

\$27.75 – Third Submission (Electronic)

\$42.75 – Third Submission (Paper)

\$30.00 – FINRA Processing Fee for Fingerprint Results Submitted by Self-Regulatory Organizations other than FINRA.

#### IV. Connectivity Fees

##### A. Co-Location Services

The following charges are assessed by Nasdaq MRX for co-location services: <sup>1</sup>

##### 1. Cabinets

<b>Cabinet with Power</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
Super High Density Cabinet (>10kW - <=17.3kW)	\$4,500***	\$8,000**
High Density Cabinet (>7kW - <10kW)	\$3,500	\$4,500**
Medium-High Density Cabinet (>5kW - <=7kW)	\$3,500	\$3,500**
Medium Density Cabinet (>2.88kW - <=5kW)	\$3,500	\$2,500**
Low Density Cabinet (<=2.88kW)	\$3,500	\$2,000**
Half Cabinet*		\$2,000
*Not available to new subscribers.		
**Discount of 15% of fee available to users of 25 or more full cabinets who commit to a 3 year term; Discount of 10% of fee available to users of 25 or more full cabinets who commit to a 2 year term.		
***Includes larger cabinet (30" W x 48" D x 96" H). Standard installation fee of \$3,500 would apply if smaller cabinet (24"W x 42"D x 84"H) is requested.		
Note: Cabinet power cap is based on the available power at 80% of the breakered capacity of all circuit pairs within a cabinet (where a primary/redundant circuit pair is considered a single circuit).		
<b>Shared Cabinet Space</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
4U Block of Cabinet Space including up to 500W of power*	\$150 per hour	\$600
*No more than 2 4U Blocks. Access restricted to Nasdaq ISE personnel.		
<b>Specialty Cabinet Charge</b>		

<b>Description</b>	<b>Ongoing Monthly Fee</b>
Additional Charge per Cabinet for cabinet > 24"W for each 6"W increment greater than 24"W - 2x the ongoing cabinet fee if the cabinet is >=48"W	\$500 per 6" or 2x the Ongoing Cabinet fee
<b>Multi-Firm Cabinet Charge</b>	
<b>Description</b>	<b>Ongoing Monthly Fee</b>
Additional Charge per Cabinet per firm for each cabinet that supports a firm other than the firm contracted to receive the cabinet by Nasdaq Technology Services	\$500

## 2. Connectivity

<b>External Telco /Inter-Cabinet Connectivity</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
Category 6 Cable patch	\$300	\$350*
DS-3 Connection	\$500	\$350*
Fiber	\$500	\$350*
POTS Line	\$0	\$50
One-Time Telco Connectivity Expedite Fee	\$1,400	\$0
Inter-Cabinet Telco connection outside Nasdaq space		\$1,000
100MB Connectivity - Metro NY/NJ Area Destination	\$1,165**	\$1,650**
1G Connectivity - Metro NY/NJ Area Destination	\$2,150**	\$2,150**
10G Connectivity - Metro NY/NJ Area Destination	\$5,000**	\$5,000**
100MB Connectivity - Toronto Area Destination	\$4,850**	\$4,100**
1G Connectivity - Toronto Area Destination	\$7,700**	\$9,850**
10G Connectivity - Toronto Area Destination	\$14,200**	\$28,400**
100MB Connectivity - Chicago Area Destination	\$3,500**	\$7,350**

<b>External Telco /Inter-Cabinet Connectivity</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
1G Connectivity - Chicago Area Destination	\$4,900**	\$12,800**
10G Connectivity - Chicago Area Destination	\$10,650**	\$26,900**

\* Requesting party only. Not applicable to inter-cabinet connections among the same customer.

\*\* Includes fiber telco cross connect within the Exchange's data center.

<b>Connectivity to Nasdaq MRX *</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
Fiber Connection to Nasdaq MRX (10Gb)	\$1,000	\$10,000
Fiber Connection to Nasdaq MRX (10Gb Ultra)	\$1,500	\$15,000
Fiber Connection to Nasdaq MRX (40Gb)	\$1,500	\$20,000
Fiber Connection to Nasdaq MRX (1Gb Ultra)	\$1,500	\$2,500
Fiber Connection to Nasdaq MRX (1Gb)	\$1,000	\$2,500
1Gb Copper Connection to Nasdaq MRX	\$1,000	\$2,500
* The connectivity provided under this rule also provides connectivity to the other markets of The NASDAQ Stock Market, LLC, NASDAQ BX, Inc., Nasdaq PHLX LLC, Nasdaq ISE, LLC, and Nasdaq GEMX, LLC.		

<b>Connectivity to Third Party Services</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
Third Party Services Fiber Connection (10Gb Ultra)	\$1,500*	\$5,000*
Third Party Services Fiber Connection (1Gb Ultra)	\$1,500*	\$2,000*
Third Party Services Fiber Connection (1Gb Ultra or 10Gb Ultra for UTP only)	\$100*	\$100*

\*Waived for two connections per client to UTP SIP feeds only (UQDF and UTDF).

**Market Data Connectivity\***

The following Market Data feeds are delivered to the NASDAQ OMX Data Center via a fiber optic network:

<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
Nasdaq	\$1,000	\$0
SIAC	\$1,000	
CTS/CQS		\$1,412
OpenBook Realtime		\$2,500
OpenBook Ultra		\$2,500
NYSE Alerts		\$200
NYSE Trades		\$100
Arca Trades		\$100
ArcaBook Multicast		\$1,500
Arca BBO		\$125
AMEX- Ultra/Trades/Alerts/LRP		\$100
OPRA		\$6,000
CME	\$1,000	\$3,500
Access Fee per location device/user		\$65
<hr/>		
BATS Multicast PITCH	\$1,000	
BATS		\$4,000
BATS Y		\$1,500
Direct Edge	\$1,000	
EDGA		\$2,500
EDGX		\$2,500

**Market Data Connectivity\***

The following Market Data feeds are delivered to the NASDAQ OMX Data Center via a fiber optic network:

<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
TSX/TSXV	\$1,000	
TSX and TSXV Level 1 Feed		\$300
TSX and TSXV Level 2 Feed		\$1,000
TSX Quantum Level 1 Feed		\$100
TSX Quantum Level 2 Feed		\$300

\*Pricing is for connectivity only and is similar to connectivity fees imposed by other vendors. The fees are generally based on the amount of bandwidth needed to accommodate a particular feed and Nasdaq MRX is not the exclusive method to get market data connectivity. Market data fees are charged independently by Nasdaq ISE and other exchanges.

The following multicast Market Data feeds are delivered to the Exchange Data Center via a wireless network (microwave or millimeter wave):

<b>Description</b>	<b>Installation Fee</b>	<b>Recurring Monthly Fee*</b>
NYSE Equities (Arca Integrated)	\$5,000	\$10,000
NYSE Equities (NYSE Integrated)	\$5,000	\$10,000
BATS Multicast PITCH (BZX and BYX)	\$2,500	\$7,500
Direct EDGE Depth of Book (EDGA, EDGX)	\$2,500	\$7,500
CME Multicast Total	\$5,000	\$23,500
CME Equities Futures Data Only		\$10,000
CME Fixed Income Futures Data Only		\$10,000
CME Metals Futures Data Only		\$3,500

\*Subscribers with three to five microwave or millimeter wave wireless subscriptions under Section IV.A receive a 5% discount on all such subscriptions; subscribers with six to ten microwave or millimeter wave wireless subscriptions under Section IV.A receive a 10% discount on all such subscriptions; subscribers with eleven to fourteen microwave or millimeter wave wireless subscriptions under Section IV.A receive a

15% discount on all such subscriptions; and subscribers with fifteen or more microwave or millimeter wave wireless subscriptions under Section IV.A receive a 20% discount on all such subscriptions.

3. Power

<b>Cabinet Power</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
2x20 amp 110 volt	\$2,000	\$0
2x30 amp 110 volt	\$2,000	\$0
2x20 amp 208 volt	\$2,000	\$0
2x30 amp 208 volt	\$2,000	\$0
Phase 3 2x 20 amp 208 volt	\$3,000	\$0
Phase 3 2x 30 amp 208 volt	\$3,000	\$0
2x60 amp 208 volt	\$3,000	\$0
Phase 3 2x 40 amp 208 volt	\$3,000	\$0
Phase 3 2x 50 amp 208 volt	\$3,000	\$0
Phase 3 2x 60 amp 208 volt	\$3,000	\$0
2x30 amp 48 volt DC	\$3,000	\$0

4. Additional Charges/Services

<b>Additional Items</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
Cooling (Door) Fans	\$1,500	\$0
Perforated Floor Tiles	\$250	\$0
Cabinet Extension	\$500	\$0
Super High Density Cabinet Kit	\$4,500	\$0



<b>Additional Items</b>		
<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
Additional Cabinet Shelves	\$200	\$0
Single Master Key Locks	\$175	\$0
Cable Downspouts	\$750	\$0
Cabinet Caging	Installation Specific	\$3,000
Custom Installation	Installation Specific	\$0
Cabinet Equipment Storage	\$0	\$500
Copper Patch Cords	\$4.50 +\$.50 per foot	\$0
Fiber Patch Cords - Multi-mode	\$20 +\$1.50 per meter	\$0
Fiber Patch Cords - Single-mode	\$24 +\$.75 per meter	\$0
Twinax Patch Cords	\$34 +\$10 per meter	\$0
Power Cords - 5-15P to C13 - 2 to 4 feet	\$5	\$0
Power Cords - C14 to C19 - 2 to 4 feet	\$10	\$0
Equipment Storage	\$0	\$100
Internet Bandwidth - 1Mb	\$0	\$300
Internet Bandwidth - 2Mb	\$0	\$500
Internet Bandwidth - 3Mb	\$0	\$700
Internet Bandwidth - 4Mb	\$0	\$900
Internet Bandwidth - 5Mb	\$0	\$1,100
GPS Antenna	Installation Specific	\$200
Cabinet Proximity Option Fee	\$0	\$1000 per medium or low density cabinet, or \$1500 per medium/high or high density cabinet
<b>Services</b>		
<b>Description</b>	<b>Rate</b>	

Power Consulting Service (billed in hourly increments)	\$250/hr plus materials if necessary
Remote Hands Service	\$150/hr

**B. Direct Circuit Connection to Nasdaq MRX\***

Description	Installation Fee	Ongoing Monthly Fee
Direct Circuit Connection to Nasdaq MRX (10Gb)	\$1,500	\$7,500
Direct Circuit Connection to Nasdaq MRX (supports up to 1Gb)	\$1,500	\$2,500
Direct Circuit Connection to Nasdaq MRX (1Gb Ultra)	\$1,500	\$2,500
Optional Cable Router	\$925	
Per U of Cabinet Space**		\$150

\*The connectivity provided under this rule also provides connectivity to the other markets of NASDAQ BX, Inc., Nasdaq PHLX LLC, The NASDAQ Stock Market LLC, Nasdaq ISE LLC, and Nasdaq GEMX LLC.

\*\*Fees are based on a height unit of approximately 1.75 inches high, commonly called a "U" space and a maximum power of 125 Watts per U space.

**C. Direct Circuit Connection to Third Party Services**

Description	Installation Fee	Ongoing Monthly Fee
Third Party Services Direct Connection (10Gb Ultra)	\$1,500*	\$5,000*
Third Party Services Direct Connection (1Gb Ultra)	\$1,500*	\$2,000*
Third Party Services Direct Connection (1Gb Ultra or 10Gb Ultra for UTP only)	\$100*	\$100*
Optional Cable Router	\$925	
Per U of Cabinet Space**		\$150

\*Waived for two connections per client to UTP SIP feeds only (UQDF and UTDF).

\*\*Fees are based on a height unit of approximately 1.75 inches high, commonly called a "U" space and a maximum power of 125 Watts per U space.

#### **D. Point of Presence (POP) Connectivity\***

<b>Description</b>	<b>Installation Fee</b>	<b>Ongoing Monthly Fee</b>
POP Connection to Nasdaq MRX (10Gb)	\$1,500	\$7,500
POP Connection to Nasdaq MRX (1Gb Ultra)	\$1,500	\$2,500

\*The connectivity provided under this rule also provides connectivity to the other markets of NASDAQ BX, Inc., Nasdaq PHLX LLC, The NASDAQ Stock Market LLC, Nasdaq ISE LLC, and Nasdaq GEMX LLC.

#### **I. Exchange Testing Facilities**

Subscribers to the Testing Facility located in Carteret, New Jersey shall pay a fee of \$1,000 per hand-off, per month for connection to the Testing Facility. The hand-off fee includes either a 1Gb or 10Gb switch port and a cross connect to the Testing Facility. Subscribers shall also pay a one-time installation fee of \$1,000 per handoff.

The connectivity provided under this rule also provides connectivity to the other markets of NASDAQ BX, Inc., Nasdaq PHLX LLC, The NASDAQ Stock Market LLC, Nasdaq ISE LLC, and Nasdaq GEMX LLC.