The Nasdaq Stock Market LLC Rules

**Options Rules**

**Options 7 Pricing Schedule**

**Section 1 General Provisions**

The Nasdaq Options Market Participants may be subject to the Charges for Membership, Services and Equipment in the Equity 7 Series, General 8, Sections 1-2, as well as the fees in this Options 7. For purposes of assessing fees and paying rebates, the following references should serve as guidance.

The term "Customer" or ("C") applies to any transaction that is identified by a Participant for clearing in the Customer range at The Options Clearing Corporation ("OCC") which is not for the account of broker or dealer or for the account of a "Professional" (as that term is defined in Options 1, Section 1(a)(47)).

The term "NOM Market Maker" or ("M") is a Participant that has registered as a Market Maker on NOM pursuant to Options 2, Section 1, and must also remain in good standing pursuant to Options 2, Section 9. In order to receive NOM Market Maker pricing in all securities, the Participant must be registered as a NOM Market Maker in at least one security.

The term “Non-Customer” applies to transactions for the accounts of NOM Market Makers, Non-NOM Market Makers, Firms, Professionals, Broker-Dealers and JBOs.

The term "Non-NOM Market Maker" or ("O") is a registered market maker on another options exchange that is not a NOM Market Maker. A Non-NOM Market Maker must append the proper Non-NOM Market Maker designation to orders routed to NOM.

For purposes of determining equity tier calculations under this section, any day that the market is not open for the entire trading day will be excluded from such calculation.

(a) Removal of Days for Purposes of Options Pricing Tiers:

(i)

(A) Any day that the Exchange announces in advance that it will not be open for trading will be excluded from the options tier calculations set forth in its Pricing
Schedule; and (B) any day with a scheduled early market close ("Scheduled Early Close") may be excluded from the options tier calculations only pursuant to paragraph (iii) below.

(ii) The Exchange may exclude the following days ("Unanticipated Events") from the options tier calculations only pursuant to paragraph (iii) below, specifically any day that:

(A) the market is not open for the entire trading day, (B) the Exchange instructs Participants in writing to route their orders to other markets, (C) the Exchange is inaccessible to Participants during the 30-minute period before the opening of trade due to an Exchange system disruption, or (D) the Exchange’s system experiences a disruption that lasts for more than 60 minutes during regular trading hours.

(iii) If a day is to be excluded as a result of paragraph (i)(B) or (ii) above, the Exchange will exclude the day from any Participant’s monthly options tier calculations as follows:

(A) the Exchange may exclude from the ADV calculation any Scheduled Early Close or Unanticipated Event; and

(B) the Exchange may exclude from any other applicable options tier calculation provided for in its Pricing Schedule (together with (ii)(A), "Tier Calculations") any Scheduled Early Close or Unanticipated Event.

provided, in each case, that the Exchange will only remove the day for Participants that would have a lower Tier Calculation with the day included.

Collection of Exchange Fees and Other Claims - Nasdaq Options Market

Each NOM member, and all applicants for registration, shall be required to provide a clearing account number for an account at the National Securities Clearing Corporation ("NSCC") for purposes of permitting the Exchange to debit any undisputed or final fees, fines, charges and/or other monetary sanctions or other monies due and owing to the Exchange or other charges related to General 2, Section 2. If a member disputes an invoice, the Exchange will not include the disputed amount in the debit if the member has disputed the amount in writing to the Exchange’s designated staff by the 15th of the month, or the following business day if the 15th is not a business day, and the amount in dispute is at least $10,000 or greater.

Section 2 Nasdaq Options Market—Fees and Rebates

The following charges shall apply to the use of the order execution and routing services of The Nasdaq Options Market for all securities.

(1) Fees and Rebates for Execution of Contracts on The Nasdaq Options Market*

Rebates to Add
Liquidity in
Penny Symbols
<table>
<thead>
<tr>
<th></th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>Tier 4</th>
<th>Tier 5</th>
<th>Tier 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Customer</strong></td>
<td>$(0.20)</td>
<td>$(0.25)</td>
<td>$(0.42)</td>
<td>$(0.43)</td>
<td>$(0.45)</td>
<td>$(0.48)</td>
</tr>
<tr>
<td><strong>Professional</strong></td>
<td>$(0.20)</td>
<td>$(0.25)</td>
<td>$(0.42)</td>
<td>$(0.43)</td>
<td>$(0.45)</td>
<td>$(0.48)</td>
</tr>
<tr>
<td><strong>Broker-Dealer</strong></td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
</tr>
<tr>
<td><strong>Firm</strong></td>
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<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
</tr>
<tr>
<td><strong>Non-NOM Market</strong></td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
<td>$(0.10)</td>
</tr>
<tr>
<td><strong>Maker</strong></td>
<td>$(0.20)</td>
<td>$(0.25)</td>
<td>$(0.30)</td>
<td>$(0.32)</td>
<td>$(0.44)</td>
<td>$(0.48)</td>
</tr>
</tbody>
</table>

Fees and Rebates to Add Liquidity in Non-Penny Symbols

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Customer</strong></td>
<td></td>
<td></td>
<td>$(0.80)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Professional</strong></td>
<td></td>
<td></td>
<td>$(0.80)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Broker-Dealer</strong></td>
<td></td>
<td></td>
<td>$0.45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Firm</strong></td>
<td></td>
<td></td>
<td>$0.45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Non-NOM Market</strong></td>
<td></td>
<td></td>
<td>$0.45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maker</strong></td>
<td></td>
<td></td>
<td></td>
<td>$0.35/($0.30)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fees to Remove Liquidity in Penny and Non-Penny Symbols

<table>
<thead>
<tr>
<th></th>
<th>Penny Symbols</th>
<th>Non-Penny Symbols</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Customer</strong></td>
<td>$0.48</td>
<td>$0.85</td>
</tr>
<tr>
<td><strong>Professional</strong></td>
<td>$0.48</td>
<td>$0.85</td>
</tr>
<tr>
<td><strong>Broker-Dealer</strong></td>
<td>$0.50</td>
<td>$1.10</td>
</tr>
<tr>
<td><strong>Firm</strong></td>
<td>$0.50</td>
<td>$1.10</td>
</tr>
<tr>
<td><strong>Non-NOM Market</strong></td>
<td>$0.50</td>
<td>$1.10</td>
</tr>
<tr>
<td><strong>Maker</strong></td>
<td>$0.50</td>
<td>$1.10</td>
</tr>
</tbody>
</table>

* Orders executed in the Opening Cross per Options 3, Section 8 are not subject to Options 7, Section 2(1) pricing, instead, these orders are subject to the pricing within Options 7, Section 2(2).

1 The Customer and Professional Rebate to Add Liquidity in Penny Symbols will be paid per the highest tier achieved below. To determine the applicable percentage of total industry customer equity and ETF option average daily volume, unless otherwise stated, the Participant's Penny
Symbol and Non-Penny Symbol Customer and/or Professional volume that adds liquidity will be included.

**Monthly Volume**

**Tier 1**  
Participant adds Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols of up to 0.10% of total industry customer equity and ETF option average daily volume (“ADV”) contracts per day in a month

**Tier 2**  
Participant adds Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols above 0.10% to 0.20% of total industry customer equity and ETF option ADV contracts per day in a month

**Tier 3**  
Participant adds Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols above 0.20% to 0.30% of total industry customer equity and ETF option ADV contracts per day in a month

**Tier 4**  
Participant adds Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols above 0.30% to 0.40% of total industry customer equity and ETF option ADV contracts per day in a month

**Tier 5**  
Participant adds Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols above 0.40% to 0.80% of total industry customer equity and ETF option ADV contracts per day in a month

**Tier 6**  
Participant adds Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols above 0.80% or more of total industry customer equity and ETF option ADV contracts per day in a month, or Participant adds: (1) Customer and/or Professional liquidity in Penny Symbols and/or Non-Penny Symbols of 0.20% or more of total industry customer equity and ETF option ADV contracts per day in a month, and (2) has added liquidity in all securities through one or more of its Nasdaq Market Center MPIDs that represent 1.00% or more of Consolidated Volume in a month or qualifies for MARS (defined below)

2 Participants that add 1.30% of Customer, Professional, Firm, Broker-Dealer or Non-NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols of total industry customer equity and ETF option ADV contracts per day in a month will be subject to the following pricing
applicable to executions: a $0.48 per contract Penny Symbols Fee for Removing Liquidity when the Participant is (i) both the buyer and the seller or (ii) the Participant removes liquidity from another Participant under Common Ownership.

Participants that add 1.50% of Customer, Professional, Firm, Broker-Dealer or Non-NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols of total industry customer equity and ETF option ADV contracts per day in a month and meet or exceed the cap for The Nasdaq Stock Market Opening Cross during the month will be subject to the following pricing applicable to executions less than 10,000 contracts: a $0.32 per contract Penny Symbols Fee for Removing Liquidity when the Participant is (i) both the buyer and seller or (ii) the Participant removes liquidity from another Participant under Common Ownership.

Participants that add 1.75% of Customer, Professional, Firm, Broker-Dealer or Non-NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols of total industry customer equity and ETF option ADV contracts per day in a month will be subject to the following pricing applicable to executions less than 10,000 contracts: a $0.32 per contract Penny Symbols Fee for Removing Liquidity when the Participant is (i) both the buyer and seller or (ii) the Participant removes liquidity from another Participant under Common Ownership.

3 The NOM Market Maker Rebate to Add Liquidity in Penny Symbols will be paid per the highest tier achieved below.

**Monthly Volume**

**Tier 1**  
Participant adds NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols of up to 0.10% of total industry customer equity and ETF option average daily volume (“ADV”) contracts per day in a month

**Tier 2**  
Participant adds NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols above 0.10% to 0.20% of total industry customer equity and ETF option ADV contracts per day in a month

**Tier 3**  
Participant: (a) adds NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols above 0.20% to 0.60% of total industry customer equity and ETF option ADV contracts per day in a month: or (b)(1) transacts in all securities through one or more of its Nasdaq Market Center MPIDs that represent 0.70% to 0.80% or more of Consolidated Volume (“CV”) which adds liquidity in the same month on The Nasdaq Stock Market, (2) transacts in Tape B securities through one or more of its Nasdaq Market Center MPIDs that represent 0.18% to 0.15% or more of CV which adds liquidity in the same month on The Nasdaq Stock Market, and (3) executes greater than 0.01% of CV via Market-on-Close/Market-on-Limit (“MOC/LOC”) volume within The Nasdaq Stock Market Closing Cross in the same month.
**Tier 4**  Participant adds NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols of above 0.60% of total industry customer equity and ETF option ADV contracts per day in a month.

**Tier 5**  Participant adds NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols of above 0.40% of total industry customer equity and ETF option ADV contracts per day in a month and transacts in all securities through one or more of its Nasdaq Market Center MPIDs that represent 0.40% or more of Consolidated Volume (“CV”) which adds liquidity in the same month on The Nasdaq Stock Market.

**Tier 6**  Participant: (a)(1) adds NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols above 0.95% of total industry customer equity and ETF option ADV contracts per day in a month, (2) executes Total Volume of 250,000 or more contracts per day in a month, of which 30,000 or more contracts per day in a month must be removing liquidity, and (3) adds Firm, Broker-Dealer and Non-NOM Market Maker liquidity in Non-Penny Symbols of 10,000 or more contracts per day in a month; or (b)(1) adds NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols above 1.50% of total industry customer equity and ETF option ADV contracts per day in a month, and (2) executes Total Volume of 250,000 or more contracts per day in a month, of which 15,000 or more contracts per day in a month must be removing liquidity.

*“Total Volume” shall be defined as Customer, Professional, Firm, Broker-Dealer, Non-NOM Market Maker and NOM Market Maker volume in Penny Symbols and/or Non-Penny Symbols which either adds or removes liquidity on NOM.

4 Participants who achieve the NOM Market Maker Tier 3 or Tier 4 Rebate to Add Liquidity will receive $0.40 per contract to add liquidity in the following symbols: AAPL, SPY, QQQ, IWM, and VXX.

5 The NOM Market Maker Fee for Adding Liquidity in Non-Penny Symbols will apply unless Participants meet the volume thresholds set forth in this note. Participants that add NOM Market Maker liquidity in Non-Penny Symbols of 10,000 to 14,999 ADV contracts per day in a month will be assessed a $0.00 per contract Non-Penny Options Fee for Adding Liquidity in that month. Participants that add NOM Market Maker liquidity in Non-Penny Symbols of 15,000 or more ADV contracts per day in a month will receive the Non-Penny Rebate to Add Liquidity for that month instead of paying the Non-Penny Fee for Adding Liquidity.

6 Participants that qualify for the Tier 6 NOM Market Maker Rebate to Add Liquidity in Penny Symbols will receive a $0.86 per contract NOM Market Maker Rebate to Add Liquidity in Non-Penny Symbols. Participants that qualify for Tier 7 or higher in the MARS Payment Schedule in Section (6) will receive an additional $0.02 per contract NOM Market Maker Rebate to Add Liquidity in Non-Penny Symbols, in addition to receiving a $0.86 per contract NOM Market
Maker Rebate to Add Liquidity in Non-Penny Symbols. Participants that qualify for note "5" and note “6” incentives will receive the greater of the note "5" or note "6" incentive, but not both.

Participants that: (1) add Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols of 1.15% or more of total industry customer equity and ETF option ADV contracts per day in a month will receive an additional $0.02 per contract Penny Symbol Customer Rebate to Add Liquidity for each transaction which adds liquidity in Penny Symbol in that month; or (2) add Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols of 1.30% or more of total industry customer equity and ETF option ADV contracts per day in a month will receive an additional $0.05 per contract Penny Symbol Customer Rebate to Add Liquidity for each transaction which adds liquidity in Penny Symbols in that month; or (3) (a) add Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols above 0.80% of total industry customer equity and ETF option ADV contracts per day in a month, (b) add Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Non-Penny Symbols above 0.12% of total industry customer equity and ETF option ADV contracts per day in a month, and (c) execute greater than 0.04% of Consolidated Volume ("CV") via Market-on-Close/Limit-on-Close ("MOC/LOC") volume within The Nasdaq Stock Market Closing Cross within a month will receive an additional $0.05 per contract Penny Symbol Customer Rebate to Add Liquidity for each transaction which adds liquidity in Penny Symbols in a month.

Consolidated Volume shall mean the total consolidated volume reported to all consolidated transaction reporting plans by all exchanges and trade reporting facilities during a month in equity securities, excluding executed orders with a size of less than one round lot. For purposes of calculating Consolidated Volume and the extent of an equity member’s trading activity, expressed as a percentage of or ratio to Consolidated Volume, the date of the annual reconstitution of the Russell Investments Indexes shall be excluded from both total Consolidated Volume and the member’s trading activity.

NOM Participants that qualify for any MARS Payment Tier in Section (6) will receive: (1) an additional $0.05 per contract Penny Symbol Customer Rebate to Add Liquidity for each transaction which adds liquidity in Penny Symbols in that month, in addition to qualifying Customer Rebate to Add Liquidity Tier 1, or (2) an additional $0.04 per contract Penny Symbol Customer Rebate to Add Liquidity for each transaction which adds liquidity in Penny Symbols in that month, in addition to qualifying Penny Symbol Customer Rebate to Add Liquidity Tiers 2-6. NOM Participants that qualify for note “7” and note “8” incentives will receive the greater of the note “7” or note “8” incentive, but not both.

NOM Participants that transact in all securities through one or more of its Nasdaq Market Center MPIDs that represent 3.00% or more of Consolidated Volume in the same month on The Nasdaq Stock Market will receive a $0.50 per contract Rebate to Add Liquidity in Penny Symbols as Customer, a $0.48 per contract rebate as Professional, a $1.00 per contract Rebate to Add Liquidity in Non-Penny Symbols as Customer, and a $0.90 per contract Rebate to Add liquidity in Non-Penny Symbols as Professional. Participants that qualify for this rebate would not be eligible for any other rebates in Tiers 1-6 or other rebate incentives on NOM for Customer and Professional order flow in Options 7, Section 2(1).
NOM Participants that (a) add Customer, Professional, Firm, Non-NOM Market Maker and/or Broker-Dealer liquidity in Penny Symbols and/or Non-Penny Symbols above 1.20% of total industry customer equity and ETF option ADV contracts per day in a month, (b) execute greater than 0.04% of Consolidated Volume ("CV") via Market-on-Close/Limit-on-Close ("MOC/LOC") volume within The Nasdaq Stock Market Closing Cross within a month, and (c) add greater than 1.5 million shares per day of non-displayed volume within The Nasdaq Stock Market within a month will receive a $0.55 per contract Rebate to Add Liquidity in Penny Symbols as Customer, a $0.48 per contract Rebate to Add Liquidity in Penny Symbols as Professional, and a $1.05 per contract Rebate to Add Liquidity in Non-Penny Symbols as Customer, and a $0.90 per contract Rebate to Add Liquidity in Non-Penny Symbols as Professional. Participants that qualify for this rebate would not be eligible for any other rebates in Tiers 1-6 or other rebate incentives on NOM for Customer and Professional order flow in Options 7, Section 2(1).

NOM Participants that qualify for the Tier 5 NOM Market Maker Rebate to Add Liquidity in Penny Symbols and add NOM Market Maker liquidity in Penny Symbols and/or Non-Penny Symbols of above 0.50% of total industry customer equity and ETF option ADV contracts per day in a month, will receive a $0.46 per contract rebate to add liquidity in Penny Symbols as Market Maker in lieu of the Tier 5 rebate.

A Participant that qualifies for Customer or Professional Penny Symbol Rebate to Add Liquidity Tiers 2, 3, 4, or 5 in a month will receive an additional $0.10 per contract Non-Penny Symbol Rebate to Add Liquidity for each transaction which adds liquidity in Non-Penny Symbols in that month. A Participant that qualifies for Customer or Professional Penny Symbol Rebate to Add Liquidity Tier 6 in a month will receive an additional $0.20 per contract Non-Penny Symbol Rebate to Add Liquidity as Customer and an additional $0.10 per contract Non-Penny Symbol Rebate to Add Liquidity as Professional for such transactions which add liquidity in Non-Penny Symbols in that month.

(2) Opening Cross per Options 3, Section 8

All orders executed in the Opening Cross:

Customer orders will receive the Rebate to Add Liquidity during the Exchange's Opening Cross, unless the contra-side is also a Customer. Broker-Dealers, Professionals, Firms, Non-NOM Market Makers and NOM Market Makers will be assessed the Fee for Removing Liquidity during the Exchange's Opening Cross.

(3) Fees for routing contracts to markets other than The Nasdaq Options Market shall be assessed as follows:

| Non-Customer | • $0.99 per contract to any options exchange. |
| Customer     | • Routing Fees to Phlx[HLX]: $0.13 per contract fee ("Fixed Fee") in addition to the actual transaction fee assessed. |
• Routing Fees to BX [Options]: $0.13 per contract fee ("Fixed Fee") in addition to the actual transaction fee assessed.
• Routing Fees to all other options exchanges: $0.23 per contract fee ("Fixed Fee") in addition to the actual transaction fee assessed. If the away market pays a rebate, the Routing Fee will be $0.13 per contract.

[(4)]

(a) For purposes of determining equity tier calculations under this section, any day that the market is not open for the entire trading day will be excluded from such calculation.

(b) Removal of Days for Purposes of Options Pricing Tiers:

(i)

(A) Any day that the Exchange announces in advance that it will not be open for trading will be excluded from the options tier calculations set forth in its Pricing Schedule; and (B) any day with a scheduled early market close ("Scheduled Early Close") may be excluded from the options tier calculations only pursuant to paragraph (iii) below.

(ii) The Exchange may exclude the following days ("Unanticipated Events") from the options tier calculations only pursuant to paragraph (iii) below, specifically any day that: (A) the market is not open for the entire trading day, (B) the Exchange instructs Participants in writing to route their orders to other markets, (C) the Exchange is inaccessible to Participants during the 30-minute period before the opening of trade due to an Exchange system disruption, or (D) the Exchange's system experiences a disruption that lasts for more than 60 minutes during regular trading hours.

(iii) If a day is to be excluded as a result of paragraph (i)(B) or (ii) above, the Exchange will exclude the day from any Participant's monthly options tier calculations as follows:

(A) the Exchange may exclude from the ADV calculation any Scheduled Early Close or Unanticipated Event; and

(B) the Exchange may exclude from any other applicable options tier calculation provided for in its Pricing Schedule (together with (ii)(A), "Tier Calculations") any Scheduled Early Close or Unanticipated Event.

provided, in each case, that the Exchange will only remove the day for Participants that would have a lower Tier Calculation with the day included.]
([64]) Market Access and Routing Subsidy ("MARS")