NEW TEXT IS UNDERLINED AND DELETED TEXT IS IN BRACKETS.

THE NASDAQ STOCK MARKET LLC RULES

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OPTIONS RULES

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OPTIONS 7 PRICING SCHEDULE

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SECTION 3 NASDAQ OPTIONS MARKET - PORTS AND OTHER SERVICES

The below charges are assessed by Nasdaq for connectivity to services and The Nasdaq Options Market.

A port is a logical connection or session that enables a market participant to send inbound messages and/or receive outbound messages from the Exchange using various communication protocols. Fees are assessed in full month increments and are not prorated.

An account number shall mean a number assigned to a Participant. Participants may have more than one account number.

(i) The following order and quote protocols are available on NOM:

During the months of August and September 2019, NOM Participants will be required to transition from current FIX Ports to new FIX Ports in conjunction with a technology infrastructure migration. NOM will not assess a FIX Port Fee for any new duplicative FIX Ports acquired as part of the transition during the months of August and September 2019. NOM will assess the FIX Port Fee to legacy FIX Ports during August and September 2019. NOM will sunset legacy FIX Ports by [August 31, 2019]September 30, 2019. In [September]October 2019, NOM will assess Participants the FIX Port Fee to new FIX Ports.

1. FIX Port Fee $650 per port, per month, per account number
2. SQF Port Fee per port, per month
3. SQF Purge Port Fee per port, per month

The SQF Port Fee and the SQF Purge Port Fee are incremental as follows:

<table>
<thead>
<tr>
<th>Number of Ports</th>
<th>Monthly Fee Per Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>First 5 ports (1-5)</td>
<td>$1,500 per port</td>
</tr>
<tr>
<td>Next 15 ports (6-20)</td>
<td>$1,000 per port</td>
</tr>
</tbody>
</table>
All ports over 20 ports (21 and above) $500 per port

(4) QUO Port Fee $750 per port, per month, per account number

(ii) The following order and execution information is available to Participants.

During the months of August and September 2019, NOM Participants will be required to transition from current CTI Ports and FIX DROP Ports to new CTI Ports and FIX DROP Ports in conjunction with a technology infrastructure migration. NOM will not assess CTI Port and FIX DROP Port Fees for any new duplicative CTI Port or FIX DROP Ports acquired as part of the transition during the months of August and September 2019. NOM will assess the CTI Port and FIX DROP Port Fees to legacy CTI Ports and FIX DROP Ports during August and September 2019. NOM will sunset legacy CTI Ports and FIX DROP Ports by [August 31, 2019/September 30, 2019]. In [September/October] 2019, NOM will assess Participants CTI Port and FIX DROP Port Fees to new CTI and FIX DROP Ports.

(1) CTI Port Fee $650 per port, per month
(2) FIX DROP Port Fee $650 per port, per month
(3) TradeInfo NOM Interface $95, per user, per month (Assessed only to Participant not subscribing to the Nasdaq Workstation)
(4) QUO DROP Port Fee $650 per port, per month

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