

Additions underscored  
 Deletions [bracketed]

**NYSE Arca Equities**

**FEES AND CHARGES**

**Effective Date: July [1]12, 2019**

**NYSE ARCA MARKETPLACE: TRADE RELATED FEES AND CREDITS<sup>1</sup>**

EXCHANGE TRANSACTIONS

ETP HOLDERS AND MARKET MAKERS<sup>2</sup>

Round Lots and Odd Lots (Per Share Price \$1.00 or Above)

<p>Tier 3:                  For ETP Holders and Market Makers that provide liquidity an average daily share volume per month of 0.20% or more, but less than 0.30% of the US CADV<sup>3</sup>:</p>	<p style="text-align: center;">* * * * *</p> <p>Tape A and Tape C Securities:</p> <p>\$0.0025 per share (credit) for orders that provide liquidity to the Book</p> <p><u>\$0.0027 per share (credit) for orders that provide liquidity to the Book if the ETP Holder both meets the requirements of Tier 3 and, for the billing month, its ADV of executed orders that provide liquidity is at least 0.05% of US CADV more than the ETP Holder's ADV of executed orders that provide liquidity as a percent of US CADV in May 2019.</u></p> <p>\$0.0030 per share (fee) for orders that take liquidity from the Book</p> <p style="text-align: center;">* * * * *</p>
<p style="text-align: center;">* * * * *</p>	<p style="text-align: center;">* * * * *</p>
<p>IOI Credit</p>	<p>Tape A, Tape B, and Tape C Securities:</p> <p>No Credit</p>

<p><u>MPL Orders Step Up Tier 1:</u>  <u>For an ETP Holder whose</u>  <u>MPL Adding ADV during</u>  <u>the billing month is at least</u>  <u>2 million shares more than</u>  <u>the ETP Holder's May 2019</u>  <u>MPL Adding ADV:</u></p>	<p><u>Executed MPL Orders that provide liquidity to the Book:</u>  <u>\$0.0026 per share (credit) in Tape A, B and C Securities</u></p>
<p><u>MPL Orders Step Up Tier 2:</u>  <u>For an ETP Holder whose</u>  <u>MPL Adding ADV during</u>  <u>the billing month is at least</u>  <u>1 million shares more than</u>  <u>the ETP Holder's May 2019</u>  <u>MPL Adding ADV:</u></p>	<p><u>Executed MPL Orders that provide liquidity to the Book:</u>  <u>\$0.0025 per share (credit) in Tape A, B and C Securities</u></p>
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