Additions <u>underlined</u> Deletions [bracketed]

NYSE Arca Equities, Inc.

SCHEDULE OF FEES AND CHARGES FOR EXCHANGE SERVICES (INCLUDING FOR SECURITIES TRADED ON PILLAR)

[January 28] February 1, 2016

NYSE ARCA MARKETPLACE: TRADE RELATED FEES AND CREDITS¹

EXCHANGE TRANSACTIONS

ETP HOLDERS AND MARKET MAKERS²

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

Tier 1:

For ETP Holders and Market Makers that provide liquidity an average daily share volume per month of 0.70% or more of the US CADV³:

Tape A and Tape C Securities:

\$0.0031 per share (credit) for orders that provide liquidity to the Book for Tape A Securities and \$0.0033 per share (credit) for orders that provide_liquidity to the Book for Tape C Securities

\$0.0030 per share (fee) for orders that take liquidity from the Book for Tape A Securities and \$0.0029 per share (fee) for orders that take liquidity to the Book for Tape C Securities

\$0.0030 per share (fee) for orders routed outside the Book to any away market centers other than the NYSE

\$0.003 per share (fee) for PO+ orders routed outside the Book to NASDAQ

For Mid-Point Passive Liquidity ("MPL") orders* providing liquidity to the Book:

*Mid-Point Passive Liquidity order is named Mid-Point Liquidity ("MPL") order on Pillar.

\$0.0015 per share (credit) in Tape A Securities and \$0.0025 per share (credit) in Tape C Securities if provided liquidity in MPL Orders for Tape A, Tape B and Tape C Securities combined ("MPL Adding ADV") during the billing month is at least 3 million shares;

\$0.0015 per share (credit) in Tape A Securities and Tape C Securities if MPL Adding ADV during the billing month is at least 1.5 million shares and less than 3 million shares:

\$0.0010 per share (credit) in Tape A and Tape C Securities

\$0.0030 per share (fee) for MPL orders removing liquidity from the Book that are not designated as "Retail Orders" defined below.

No Charge for MPL orders removing liquidity from the Book and are designated as "retail" that meet the requirements of Rule 7.44(a)(3), or Rule 7.44P(a)(3) for securities traded on Pillar, but that are not executed in the Retail Liquidity Program ("Retail Orders")

\$0.0015 per share (fee) for Market and Auction-Only Orders executed in an Opening,* Market Order** or Trading Halt Auction, capped at \$20,000 per month per Equity Trading Permit ID

*Opening Auction is named Early Open Auction on Pillar.

**Market Order Auction is named Core Open Auction on Pillar.

Pillar.

\$0.0010 per share (fee) for Market, Market-On-Close, Limit-On-Close, and Auction-Only Orders executed in a Closing Auction

\$0.0010 per share (fee) for PO and PO+ orders routed to NASDAQ that execute in the opening or closing auction

No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

\$0.0030 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

Tape A Securities:

\$0.0027 per share (fee) for orders in Tape A securities routed outside the Book to the NYSE

[\$0.0025 per share (fee) for Primary Sweep Orders in Tape A securities routed outside the book to the NYSE that remove liquidity from the NYSE. Primary Sweep Orders in Tape A securities routed outside the book to the NYSE that provide

liquidity to the NYSE are not charged a fee or given a credit.]

\$0.0027 per share (fee) for Primary Only Plus ("PO+") Orders routed to the NYSE that remove liquidity.

\$0.0014 per share (credit) for PO+ Orders that provide liquidity to the NYSE

\$0.0010 per share (fee) for PO and PO+ Orders routed to the NYSE that execute in the opening or closing auction

Tape B Securities:

\$0.0023 per share (credit) for orders that provide liquidity to the Book. An additional credit shall apply to ETP Holders and Market Makers affiliated with LMMs that provide displayed liquidity to the Book based on the number of Less Active ETP Securities in which the LMM is registered as the LMM. The applicable tiered-credits are noted below (See LMM Transaction Fees and Credits).

\$0.0028 per share (fee) for orders that take liquidity from the Book

\$0.0030 per share (fee) for orders routed outside the Book to any away market centers

\$0.0016 per share (credit) for PO and PO+ orders routed to NYSE MKT that provide liquidity to the NYSE MKT Book

\$0.0028 per share (fee) for PO and PO+ orders routed to NYSE MKT that remove liquidity from the NYSE MKT Book

\$0.003 per share (fee) for PO+ orders routed outside the Book to NASDAQ

MPL orders providing liquidity to the Book:

\$0.0020 per share (credit) if MPL Adding ADV during the billing month is at least 3 million shares;

\$0.0015 per share (credit) if MPL Adding ADV during the billing month is at least 1.5 million shares and less than 3 million shares;

\$0.0010 per share (credit) if MPL Adding ADV during the billing month is less than 1.5 million shares.

\$0.0030 per share (fee) for MPL orders removing liquidity from the Book that are not designated as Retail Orders

No Charge for MPL orders removing liquidity from the Book that are designated as Retail Orders

\$0.0015 per share (fee) for Market and Auction-Only Orders executed in an Opening,* Market Order** or Trading Halt

Auction, capped at \$20,000 per month per Equity Trading Permit ID

*Opening Auction is named Early Open Auction on Pillar.

**Market Order Auction is named Core Open Auction on Pillar.

Pillar.

\$0.0010 per share (fee) for Market, Market-On-Close, Limit-On-Close, and Auction-Only Orders executed in a Closing Auction in NYSE Arca primary listed securities (includes all ETFs/ETNs)

\$0.00085 per share (fee) for PO and PO+ Orders routed to NYSE MKT that execute in the opening or closing auction

No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

\$0.0028 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

Tier 2:

For ETP Holders and Market Makers that provide liquidity an average daily share volume per month of 0.30% or more, but less than 0.70% of the US CADV³:

Tape A and Tape C Securities:

\$0.0029 per share (credit) for orders that provide liquidity to the Book

\$0.0030 per share (fee) for orders that take liquidity from the Book

\$0.0030 per share (fee) for orders routed outside the Book to any away market centers other than the NYSE

\$0.003 per share (fee) for PO+ orders routed outside the Book to NASDAQ

For MPL orders providing liquidity to the Book:

\$0.0015 per share (credit) in Tape A Securities and \$0.0025 per share (credit) in Tape C Securities if MPL Adding ADV during the billing month is at least 3 million shares;

\$0.0015 per share (credit) in Tape A Securities and Tape C Securities if MPL Adding ADV during the billing month is at least 1.5 million shares and less than 3 million shares:

\$0.0010 per share (credit) in Tape A and Tape C Securities for MPL orders providing liquidity to the Book if MPL Adding ADV during the billing month is less than 1.5 million shares.

\$0.0030 per share (fee) for MPL orders removing liquidity from the Book that are not designated as Retail Orders

No Charge for MPL orders removing liquidity from the Book that are designated as Retail Orders

\$0.0015 per share (fee) for Market and Auction-Only Orders executed in an Opening,* Market Order** or Trading Halt Auction, capped at \$20,000 per month per Equity Trading Permit ID

*Opening Auction is named Early Open Auction on Pillar.

**Market Order Auction is named Core Open Auction on Pillar.

Pillar.

\$0.0010 per share (fee) for Market, Market-On-Close, Limit-On-Close, and Auction-Only Orders executed in a Closing Auction

\$0.0010 per share (fee) for PO and PO+ orders routed to NASDAQ that execute in the opening or closing auction

No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

\$0.0030 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

Tape A Securities:

\$0.0027 per share (fee) for orders in Tape A securities routed outside the Book to the NYSE

[\$0.0025 per share (fee) for Primary Sweep Orders in Tape A securities routed outside the book to the NYSE that remove liquidity from the NYSE. Primary Sweep Orders in Tape A securities routed outside the book to the NYSE that provide liquidity to the NYSE are not charged a fee or given a credit.]

\$0.0027 per share (fee) for PO+ Orders routed to the NYSE that remove liquidity.

\$0.0014 per share (credit) for PO+ Orders that provide liquidity to the NYSE

\$0.0010 per share (fee) for PO and PO+ Orders routed to the NYSE that execute in the opening or closing auction

Tape B Securities:

\$0.0022 per share (credit) for orders that provide liquidity to the Book. An additional credit shall apply to ETP Holders and Market Makers affiliated with LMMs that provide displayed liquidity to the Book based on the number of Less Active ETP Securities in which the LMM is registered as the LMM. The applicable tiered-credits are noted below (See LMM Transaction Fees and Credits).

\$0.0028 per share (fee) for orders that take liquidity from the Book

\$0.0030 per share (fee) for orders routed outside the Book to any away market centers

\$0.0016 per share (credit) for PO and PO+ orders routed to NYSE MKT that provide liquidity to the NYSE MKT Book

\$0.0028 per share (fee) for PO and PO+ orders routed to NYSE MKT that remove liquidity from the NYSE MKT Book

\$0.003 per share (fee) for PO+ orders routed outside the Book to NASDAQ

For MPL orders providing liquidity to the Book:

\$0.0020 per share (credit) if MPL Adding ADV during the billing month is at least 3 million shares;

\$0.0015 per share (credit) if MPL Adding ADV during the billing month is at least 1.5 million shares and less than 3 million shares:

\$0.0010 per share (credit) if MPL Adding ADV during the billing month is less than 1.5 million shares.

\$0.0030 per share (fee) for MPL orders removing liquidity from the Book that are not designated as Retail Orders

No Charge for MPL orders removing liquidity from the Book that are designated as Retail Orders

\$0.0015 per share (fee) for Market and Auction-Only Orders executed in an Opening,* Market Order** or Trading Halt Auction, capped at \$20,000 per month per Equity Trading Permit ID

*Opening Auction is named Early Open Auction on Pillar.
*Market Order Auction is named Core Open Auction on Pillar.

\$0.0010 per share (fee) for Market, Market-On-Close, Limit-On-Close, and Auction-Only Orders executed in a Closing Auction in NYSE Arca primary listed securities (includes all ETFs/ETNs)

\$0.00085 per share (fee) for PO and PO+ Orders routed to NYSE MKT that execute in the opening or closing auction No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book *Passive Liquidity Order is named Limit Non-Displayed Order on Pillar. \$0.0028 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book *Passive Liquidity Order is named Limit Non-Displayed Order on Pillar. Tier 3: Tape A and Tape C Securities: For ETP Holders and Market Makers that provide \$0.0025 per share (credit) for orders that provide liquidity to liquidity an average daily the Book share volume per month of 0.20% or more, but less \$0.0030 per share (fee) for orders that take liquidity from the than 0.30% of the US Book CADV³: \$0.0030 per share (fee) for orders routed outside the Book to any away market centers No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book *Passive Liquidity Order is named Limit Non-Displayed Order on Pillar. \$0.0030 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book *Passive Liquidity Order is named Limit Non-Displayed Order on Pillar. Tape A Securities: \$0.0027 per share (fee) for orders in Tape A securities routed outside the Book to the NYSE \$0.0010 per share (fee) for PO and PO+ Orders routed to the NYSE that execute in the opening or closing auction Tape B Securities: \$0.0022 per share (credit) for orders that provide liquidity to the Book. An additional credit shall apply to ETP Holders and Market Makers affiliated with LMMs that provide displayed liquidity to the Book based on the number of Less Active ETP Securities in which the LMM is registered as the

LMM. The applicable tiered-credits are noted below (See

LMM Transaction Fees and Credits).

	\$0.0028 per share (fee) for orders that take liquidity from the Book
	\$0.0030 per share (fee) for orders routed outside the Book to any away market centers
	No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book
	*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.
	\$0.0028 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book
	*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.
	For all other fees and credits, Basic Rates apply
****	****
Basic Rates (applicable	Tape A Securities:
when tier rates do not apply)	\$0.0020 per share (credit) for orders that provide liquidity to the Book
	\$0.003 per share (fee) for orders that take liquidity from the Book
	\$0.003 per share (fee) for orders routed outside the Book to any away market centers other than the NYSE
	\$0.0029 per share (fee) for orders routed outside the Book to the NYSE, except that Primary Until 9:45 Orders and Primary After 3:55 Orders that are designated as Retail Orders and routed to the primary listing market will be charged \$0.0010 per share (fee)
	[\$0.0025 per share (fee) for Primary Sweep Orders in Tape A securities routed outside the book to the NYSE that remove liquidity from the NYSE. Primary Sweep Orders in Tape A securities routed outside the book to the NYSE that provide liquidity to the NYSE are not charged a fee or given a credit.]
	For MPL orders providing liquidity to the Book:
	\$0.0015 per share (credit) if MPL Adding ADV during the billing month is at least 3 million shares;
	\$0.0015 per share (credit) if MPL Adding ADV during the billing month is at least 1.5 million shares and less than 3 million shares;

\$0.0010 per share (credit) if MPL Adding ADV during the billing month is less than 1.5 million shares.

\$0.0030 per share (fee) for MPL orders removing liquidity from the Book that are not designated as Retail Orders

No Charge for MPL orders removing liquidity from the Book that are designated as Retail Orders

\$0.0015 per share (fee) for Market and Auction-Only Orders executed in an Opening,* Market Order** or Trading Halt Auction, capped at \$20,000 per month per Equity Trading Permit ID

*Opening Auction is named Early Open Auction on Pillar.

**Market Order Auction is named Core Open Auction on Pillar.

Pillar.

\$0.0010 per share (fee) for Market, Market-On-Close, Limit-On-Close, and Auction-Only Orders executed in a Closing Auction

\$0.0027 per share (fee) for PO+ Orders routed to the NYSE that remove liquidity.

\$0.0014 per share (credit) for PO+ Orders that provide liquidity to the NYSE

\$0.0010 per share (fee) for PO and PO+ Orders routed to the NYSE that execute in the opening or closing auction

No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

\$0.0030 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

\$0.0030 per share (credit) for Retail Orders that provide liquidity to the Book

Tape B Securities:

\$0.0020 per share (credit) for orders that provide liquidity to the Book. An additional credit shall apply to ETP Holders and Market Makers affiliated with LMMs that provide displayed liquidity to the Book based on the number of Less Active ETP Securities in which the LMM is registered as the LMM. The applicable tiered-credits are noted below (See LMM Transaction Fees and Credits).

\$0.003 per share (fee) for orders that take liquidity from the Book

\$0.0035 per share (fee) for orders routed outside the Book to any away market centers, except that Primary Until 9:45 Orders and Primary After 3:55 Orders that are designated as Retail Orders and routed to the primary listing market will be charged \$0.0010 per share (fee)

\$0.0016 per share (credit) for PO and PO+ orders routed to NYSE MKT that provide liquidity to the NYSE MKT Book

\$0.0028 per share (fee) for PO and PO+ orders routed to NYSE MKT that remove liquidity from the NYSE MKT Book

For MPL orders providing liquidity to the Book:

\$0.0020 per share (credit) if MPL Adding ADV during the billing month is at least 3 million shares;

\$0.0015 per share (credit) if MPL Adding ADV during the billing month is at least 1.5 million shares and less than 3 million shares:

\$0.0010 per share (credit) if MPL Adding ADV during the billing month is less than 1.5 million shares.

\$0.0030 per share (fee) for MPL orders removing liquidity from the Book that are not designated as Retail Orders

No Charge for MPL orders removing liquidity from the Book that are designated Retail Orders

\$0.0015 per share (fee) for Market and Auction-Only Orders executed in an Opening,* Market Order** or Trading Halt Auction, capped at \$20,000 per month per Equity Trading Permit ID

*Opening Auction is named Early Open Auction on Pillar.

**Market Order Auction is named Core Open Auction on Pillar.

Pillar.

\$0.0010 per share (fee) for Market, Market-On-Close, Limit-On-Close, and Auction-Only Orders executed in a Closing Auction in NYSE Arca primary listed securities (includes all ETFs/ETNs)

\$0.00085 per share (fee) for PO and PO+ Orders routed to NYSE MKT that execute in the opening or closing auction

No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

\$0.0030 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book

*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.

\$0.0030 per share (credit) for Retail Orders that provide liquidity to the Book

Tape C Securities:

\$0.0020 per share (credit) for orders that provide liquidity to the Book

\$0.003 per share (fee) for orders that take liquidity from the Book

\$0.0035 per share (fee) for orders routed outside the Book to any away market centers, except that Primary Until 9:45 Orders and Primary After 3:55 Orders that are designated as Retail Orders that are routed to the primary listing market will be charged \$0.0010 per share (fee)

For MPL orders providing liquidity to the Book:

\$0.0025 per share (credit) if MPL Adding ADV during the billing month is at least 3 million shares;

\$0.0015 per share (credit) if MPL Adding ADV during the billing month is at least 1.5 million shares and less than 3 million shares;

\$0.0010 per share (credit) if MPL Adding ADV during the billing month is less than 1.5 million shares.

\$0.0030 per share (fee) for MPL orders removing liquidity from the Book that are not designated as Retail Orders

No Charge for MPL orders removing liquidity from the Book that are designated as Retail Orders

\$0.0015 per share (fee) for Market and Auction-Only Orders executed in an Opening,* Market Order** or Trading Halt Auction, capped at \$20,000 per month per Equity Trading Permit ID

*Opening Auction is named Early Open Auction on Pillar.

**Market Order Auction is named Core Open Auction on Pillar.

Pillar.

\$0.0010 per share (fee) for Market, Market-On-Close, Limit-On-Close, and Auction-Only Orders executed in a Closing Auction

\$0.0010 per share (fee) for PO and PO+ orders routed to

	NASDAQ that execute in the opening or closing auction
	No fee or credit for Passive Liquidity Orders* that provide liquidity to the Book
	*Passive Liquidity Order is named Limit Non-Displayed Order on Pillar.
	\$0.0030 per share (fee) for Passive Liquidity Orders* that take liquidity from the Book
	*Passive Liquidity Order is named Limit Non-Displayed Order in Pillar.
	\$0.0030 per share (credit) for Retail Orders (as defined in Rule 7.44(a)(3)) that provide liquidity to the Book
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Round Lots and Odd Lots (Per Share Price Below \$1.00)⁵

Tape A, Tape B, and Tape C Securities:	0.3% of the total dollar value for orders that take liquidity from the Book
Routing Services:	0.3% fee of the total dollar value (applicable to orders of listed and Nasdaq securities routed away and executed by another market center or participant)
Auctions	0.1% of the total dollar value for orders that execute in the Opening,* Market Order,** Trading Halt or Closing Auctions.
	*Opening Auction is named Early Open Auction on Pillar. **Market Order Auction is named Core Open Auction on Pillar.

NYSE ARCA MARKETPLACE: MARKET MAKER FEES AND CREDITS¹⁰

Lead Market Maker ("LMM") Transaction Fees and Credits

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

NYSE Arca Marketplace Primary Listed	\$0.0033 per share (credit) for orders that provide
Securities (excluding Exchange-Traded	displayed liquidity to the Book in securities for
Products ("ETPs") in the Incentive	which they are registered as the LMM and which
Program) ¹¹	have a CADV ³ in the previous month greater
	than 3,000,000 shares
	, ,
	\$0.004 per share (credit) for orders that provide

displayed liquidity to the Book in securities for which they are registered as the LMM and which have a CADV in the previous month of between 1,000,000 and 3,000,000 shares inclusive

\$0.0045 per share (credit) for orders that provide displayed liquidity to the Book in securities for which they are registered as the LMM and which have a CADV in the previous month of less than 1,000,000 shares

LMMs, and ETP Holders and Market Makers affiliated with such LMM in Tape B Securities, will receive an additional credit for orders that provide displayed liquidity to the Book in securities for which they are registered as the LMM and in securities for which they are not registered as an LMM based on the number of securities that have a CADV in the previous month of less than 100,000 shares ("Less Active ETP Securities"), as follows:

- An additional credit of \$0.0004 per share if an LMM is registered as the LMM in at least 300 Less Active ETP Securities
- An additional credit of \$0.0003 per share if an LMM is registered as the LMM in at least 200 but less than 300 Less Active ETP Securities
- An additional credit of \$0.0002 per share if an LMM is registered as the LMM in at least 100 but less than 200 Less Active ETP Securities

The number of Less Active ETP Securities for the billing month will be based on the number of Less Active ETP Securities in which an LMM is registered as the LMM on the last business day of the previous month

\$0.0028 per share (fee) for orders that take liquidity from the Book

\$0.0030 per share (credit) for orders that provide undisplayed liquidity in Post No Preference Blind (PNP B) Orders* to the Book in securities for which they are registered as the LMM.

*PNP Blind Order is named Arca Only Order on Pillar.

\$0.0015 per share (credit) for Passive Liquidity Orders* that provide liquidity to the Book in securities for which they are registered as the LMM.

*Passive Liquidity Order is named Limit Non- Displayed Order on Pillar.
No fee for orders executed in the Closing Auction

 $[\]ast$ No changes are proposed to the text of footnotes 1, 2, 3, 5, 10 or 11 of the Fee Schedule.