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RULES OF THE NYSE ARCA, INC.

RULE 6-O OPTIONS TRADING

Rules Principally Applicable to Trading of Option Contracts

Rule 6.37A-O. Market Maker Quotations — OX

- (a) A Market Maker may enter quotations only in the issues included in its appointment.
- (1) *Quote or Quotation.* The term “quote” or “quotation” means a bid or offer entered by a Market Maker that updates the Market Maker’s previous bid or offer, if any.
- (2) A quotation will not route.
- (3) A Market Maker may designate a quote as follows:
- (A) Market Maker - Light Only Quotation (“MMLO”). [A Market Maker may designate a quotation as MMLO and such incoming quotation will only be eligible, upon] On arrival, a quotation designated MMLO will [to] trade with displayed interest in the Consolidated Book only. Once resting, [any unexecuted portion of an MMLO posts to the Consolidated Book,] the MMLO designation no longer applies and such quotation is eligible to trade with displayed and undisplayed interest.
- (B) Market Maker - Add Liquidity Only Quotation (“MMALO”). Neither an arriving nor resting quotation designated MMALO will trade as the liquidity taker or display at a price that locks or crosses any interest on the Exchange or the NBBO. Instead of trading, an MMALO will be repriced as provided for in Rule 6.37B-O(a)(4)(A). A MMALO will be rejected if entered outside of Core Trading Hours or during a trading halt.
- (C) Market Maker - Repricing Quotation (“MMRP”). Neither an arriving nor resting quotation designated MMRP will display at a price that locks or crosses

the NBBO. An MMRP will be repriced as provided for in Rule 6.37B-O(a)(4)(B).

~~[(3)]~~(4) Treatment of Market Maker Quotations. When a series is open for trading, a quotation[, including a quotation designated as MMLO,] will trade against interest in the Consolidated Book as follows:

(A) An incoming quotation, other than an MMALO, will trade with contra-side interest in the Consolidated Book at prices that do not trade through the NBBO[interest on another Market Center].

(i) An incoming MMALO to buy (sell) that would trade with any sell (buy) interest on the Consolidated Book will be displayed at a price one MPV below (above) such sell (buy) interest. An incoming MMALO to buy (sell) that is not marketable against interest in the Consolidated Book but that would lock or cross the NBO (NBB) will be displayed at a price that is one MPV below (above) the NBO (NBB). If the sell (buy) interest in the Consolidated Book or NBO (NBB) moves up (down), the display price of the MMALO to buy (sell) and the undisplayed price at which it is eligible to trade will be continuously adjusted, up (down) to the MMALO's limit price.

(a) A resting MMALO to buy (sell) that is displayed at a price one MPV below (above) interest on the Consolidated Book will trade at its display price.

(b) A resting MMALO to buy (sell) that is displayed at a price one MPV below (above) the NBO (NBB) will trade at the NBO (NBB); provided, however, that if the NBO (NBB) updates to lock or cross the MMALO's display price, such MMALO will trade at its display price in time priority behind other eligible interest already displayed at that price.

(c) Each time there is an update to the price of the MMALO, the Exchange will rank the MMALO by time priority behind other eligible interest already at that price. If multiple MMALOs simultaneously reprice to the same price at which they are eligible to trade, the MMALOs will be prioritized based on the time of original order entry.

(B) After trading with interest in the Consolidated Book, an incoming MMRP to buy (sell) that locks or crosses the NBO (NBB) will be displayed at a price that is one MPV below (above) the NBO (NBB). If the NBO (NBB) moves up (down), the display price of an MMRP and the undisplayed price at which it is eligible to trade will be continuously adjusted, up (down) to the MMRP's limit price.

(i) An MMRP to buy (sell) that is displayed at a price one MPV below (above) the NBO (NBB) will trade at the NBO (NBB); provided,

however, that if the NBO (NBB) updates to lock or cross the MMRP's display price, such MMRP will trade at its display price in time priority behind other eligible interest already displayed at that price.

(ii) Each time there is an update to the price of the MMRP, the Exchange will rank the MMRP by time priority behind other eligible interest already at that price. If multiple MMRPs simultaneously reprice to the same price at which they are eligible to trade, the MMRPs will be prioritized based on the time of original order entry.

~~[(B)]~~[(C)] Any untraded quantity of an incoming quotation will be added to the Consolidated Book, ~~[unless]~~except in the circumstances specified below, which result in the remaining balance being cancelled:

- (i) it is not designated as MMALO or MMRP and locks or crosses the NBBO~~[interest on another Market Center];~~
- ~~(ii) [or]it is designated as MMLO and locks or crosses undisplayed interest; or~~].
In both cases, the quotation will be cancelled.]
- (iii) it is designated as an MMRP and the limit price of the MMRP is more than a configurable number of MPVs above (below) the initial display price (on arrival). In such cases, the incoming MMRP will first trade with marketable interest in the Consolidated Book up (down) to the NBO (NBB) and any remaining balance will be cancelled. The Exchange will determine the configurable number of MPVs, which will be announced by Trader Update.

When such quantity of an incoming quotation is cancelled, the Exchange will also cancel the Market Maker's current quotation on the opposite side of the market.

~~[(C)]~~[(D)] An incoming quotation will be rejected, and the Exchange will cancel the Market Maker's current quotation on the same side of the market, if:

- (i) it is not designated as MMALO or MMRP and locks or crosses the NBBO~~[interest on another Market Center]~~ and cannot trade with interest in the Consolidated Book at prices that do not trade through the NBBO~~[another Market Center]; [or]~~
- (ii) it is designated as MMLO, locks or crosses undisplayed interest, and cannot trade with displayed interest in the Consolidated Book at prices that do not trade through the NBBO~~[another Market Center.]; or~~
- (iii) it is designated as MMALO or MMRP (that does not trade on arrival), and has a limit price to buy (sell) that is more than a configurable number of MPVs above (below) the initial display price of the MMALO or MMRP.

The Exchange will determine the configurable number of MPVs, which will be announced by Trader Update.

[When an incoming quotation is rejected, the Exchange will cancel the Market Maker's current quotation on the same side of the market.

(D) A quotation will not route.]

(5) When a series is not open for trading (i.e., during pre-open or a trading halt), a Market Maker may submit an MMRP, which will be eligible to participate in the opening auction and re-opening auction (as applicable) at the limit price of the MMRP. All resting quotations will be cancelled in the event of a trading halt.

Rule 6.62-O. Certain Types of Orders Defined

(p) *PNP Order*. A PNP Order (Post No Preference) is a Limit Order to buy or sell that is to be executed in whole or in part on the Exchange, and the portion not so executed is to be ranked in the Consolidated Book, without routing any portion of the order to another [m]Market C[c]enter; provided, however, the Exchange shall cancel a PNP Order that would lock or cross the NBBO. A Repricing PNP Order, as defined in paragraph (p)(1) of this Rule, received during pre-open or during a trading halt will be treated as a PNP Order (i.e., as a Limit Order and will not reprice) for purposes of participating in opening auctions or re-opening auctions.

(1) *Repricing PNP Order ("RPNP")*. A RPNP is a PNP Order that will be repriced instead of cancelled after trading with interest in the Consolidated Book, if it would lock or cross the NBBO as set forth in paragraph (A) below. A RPNP may only be entered as a Day Order and an RPNP that is designated as a Reserve Order will be rejected.

(A) A RPNP to buy (sell) that would lock or cross the NBO (NBB) will be displayed at a price one MPV below (above) the NBO (NBB). If the NBO (NBB) moves up (down), the display price of the RPNP and the undisplayed price at which it is eligible to trade will be continuously adjusted, up (down) to the limit price of the RPNP.

(i) A RPNP to buy (sell) that is displayed at a price one MPV below (above) the NBO (NBB) will trade at the NBO (NBB); provided, however, that if the NBO (NBB) updates to lock or cross the RPNP's display price, such RPNP will trade at its display price in time priority behind other eligible interest already displayed at that price.

(ii) Each time there is an update to the price of the RPNP, the Exchange will rank the RPNP by time priority behind other eligible interest already at that price. If multiple RPNPs simultaneously reprice to the same price at which they are eligible to trade, the RPNPs will be prioritized based on the time of original order entry.

(B) An incoming RPNP will be cancelled if its limit price to buy (sell) is more than a configurable number of MPVs above (below) the initial display price (on arrival), after first trading with eligible interest, if any. The Exchange will determine the configurable number of MPVs, which will be announced by Trader Update.

(t) Liquidity Adding Order (“ALO”). [A Liquidity Adding Order]An ALO is a Limit Order which is to be accepted only if it is not executable at the time of receipt. Orders with the liquidity adding instruction will not be routed if marketable against the NBBO, but will be rejected. [Liquidity adding orders]An ALO may only be entered as a Day Order. An ALO or RALO, as defined in paragraph (t)(1) of this Rule, will be rejected if entered outside of Core Trading Hours or during a trading halt or, if resting, will be cancelled in the event of a trading halt.

(1) Repricing ALO (“RALO”). A RALO is an ALO that will be repriced instead of rejected if it would trade as the liquidity taker or display at a price that locks or crosses any interest on the Exchange or the NBBO as set forth in paragraph (A) below. A RALO that is designated as a Reserve Order will be rejected.

(A) An incoming RALO to buy (sell) that would trade with any displayed or undisplayed sell (buy) interest on the Consolidated Book will be displayed at a price one MPV below (above) such sell (buy) interest. An incoming RALO to buy (sell) that is not marketable against interest in the Consolidated Book but that would lock or cross the NBO (NBB) will be displayed at a price that is one MPV below (above) the NBO (NBB). If the sell (buy) interest in the Consolidated Book or NBO (NBB) moves up (down), the display price of the RALO to buy (sell) and the undisplayed price at which it is eligible to trade will be continuously adjusted, up (down) to the RALO’s limit price.

(i) A resting RALO to buy (sell) that is displayed at a price one MPV below (above) interest on the Consolidated Book will trade at its display price.

(ii) A resting RALO to buy (sell) that is displayed at a price one MPV below (above) the NBO (NBB) will trade at the NBO (NBB); provided, however, that if the NBO (NBB) updates to lock or cross the RALO’s display price, such RALO will trade at its display price in time priority behind other eligible interest already displayed at that price.

(iii) Each time there is an update to the price of the RALO, the Exchange will rank the RALO by time priority behind other eligible interest already at that price. If multiple RALOs simultaneously reprice to the same price at which they are eligible to trade, the RALOs will be prioritized based on the time of original order entry.

(B) An incoming RALO will be cancelled if it has a limit price to buy (sell) that is more than a configurable number of MPVs above (below) the initial display price (on arrival). The Exchange will determine the configurable number of MPVs, which will be announced by Trader Update.
