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RULES OF THE NYSE ARCA, INC.

RULE 5-O OPTION CONTRACTS TRADED ON THE EXCHANGE

Section 2. Underlying Securities

Rule 5.3-O. Criteria for Underlying Securities

Underlying securities with respect to which put or call option contracts are approved for listing and trading on the Exchange must meet the following criteria:

(g) *Exchange-Traded Fund Shares*. Securities deemed appropriate for options trading shall include shares or other securities ("Exchange-Traded Fund Shares" or "Fund Shares") that are traded on a national securities exchange and are defined as an "NMS stock" in Rule 600(b)(55) of Regulation NMS, and that (i) represent an interest in a registered investment company organized as an open-end management investment company, a unit investment trust or a similar entity which holds securities and/or financial instruments, options on securities and indices, equity caps, collars and floors, swap agreements, forward contracts, repurchase agreements and reverse repurchase agreements (the "Financial Instruments"), and money market instruments, including, but not limited to, U.S. government securities and repurchase agreements (the "Money Market Instruments") constituting or otherwise based on or representing an investment in an index or portfolio of securities and/or Financial Instruments and Money Market Instruments, or (ii) represent interests in a trust or similar entity that holds a specified non-U.S. currency deposited with the trust or similar entity when aggregated in some specified minimum number may be surrendered to the trust by the beneficial owner to receive the specified non-U.S. currency and pays the beneficial owner interest and other distributions on the deposited non-U.S. currency, if any, declared and paid by the trust; or (iii) represent commodity pool interests principally engaged, directly or indirectly, in holding and/or managing portfolios or baskets of securities, commodity futures contracts, options on commodity futures contracts, swaps, forward contracts and/or options on physical commodities and/or non-U.S. currency ("Commodity Pool Units"), or (iv) represent interests in the SPDR Gold Trust, or (v) represent interests in the iShares COMEX Gold Trust, or (vi) represent interests in the iShares Silver Trust, (vii) represents an interest in a registered investment company ("Investment Company") organized as an open-end management investment company or similar entity, that invests in a portfolio of securities selected by the Investment Company's investment adviser consistent with the

Investment Company's investment objectives and policies, which is issued in a specified aggregate minimum number in return for a deposit of a specified portfolio of securities and/or a cash amount with a value equal to the next determined net asset value (“NAV”), and when aggregated in the same specified minimum number, may be redeemed at a holder's request, which holder will be paid a specified portfolio of securities and/or cash with a value equal to the next determined NAV (“Managed Fund Share”), or, (viii) represents interests in the ETFS Silver Trust or ETFS Gold Trust, or, (ix) represents interests in the ETFS Palladium Trust or ETFS Platinum Trust, provided:

Commentary:

.01 The Exchange may list and trade options on shares of the Grayscale Bitcoin Trust (BTC) (symbol: GBTC), the Grayscale Bitcoin Mini Trust (BTC) (symbol: BTC), and the Bitwise Bitcoin ETF (symbol: BITB), iShares Bitcoin Trust (symbol: IBIT), the Fidelity Wise Origin Bitcoin Fund (symbol: FBTC), [and] the ARK21Shares Bitcoin ETF (symbol: ARKB), the Grayscale Ethereum Trust ETF (symbol: ETHE), the Grayscale Ethereum Mini Trust ETF (symbol: ETH), and the Bitwise Ethereum ETF (symbol: ETHW), pursuant to Rules 5.3-O and 5.4-O.

Rule 5.4-O. Withdrawal of Approval of Underlying Securities

Commentary:

.02 For purposes Rule 5.4-O(k), the Grayscale Bitcoin Trust (BTC) (symbol: GBTC), the Grayscale Bitcoin Mini Trust (BTC) (symbol: BTC), and the Bitwise Bitcoin ETF (symbol: BITB), iShares Bitcoin Trust (symbol: IBIT), the Fidelity Wise Origin Bitcoin Fund (symbol: FBTC), [and] the ARK21Shares Bitcoin ETF (symbol: ARKB), the Grayscale Ethereum Trust ETF (symbol: ETHE), the Grayscale Ethereum Mini Trust ETF (symbol: ETH), and the Bitwise Ethereum ETF (symbol: ETHW) are deemed to be “Exchange-Traded Fund Shares.”

RULE 6-O OPTION TRADING

Rules Principally Applicable to Trading of Option Contracts

Rule 6.8-O. Position Limits

Commentary:

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(f) The position limit for the options contracts set forth below are as follows:

Options	Position Limits
PowerShares QQQ TrustSM, Series 1 (QQQ)	1,800,000 contracts
SPDR® S&P 500® ETF (SPY)	3,600,000 contracts
iShares® Russell 2000® ETF (IWM)	1,000,000 contracts
SPDR®Dow Jones Industrial AverageSM ETF Trust (DIA)	300,000 contracts
iShares MSCI Emerging Markets ETF (EEM)	1,000,000 contracts
iShares China Large-Cap ETF (FXI)	1,000,000 contracts
iShares MSCI EAFE ETF (EFA)	1,000,000 contracts
iShares MSCI Brazil Capped ETF (EWZ)	500,000 contracts
iShares 20+ Year Treasury Bond Fund ETF (TLT)	500,000 contracts
iShares MSCI Japan ETF (EWJ)	500,000 contracts
iShares iBoxx High Yield Corporate Bond Fund (HYG)	500,000 contracts
iShares iBoxx \$ Investment Grade Corporate Bond ETF (LQD)	500,000 contracts
Financial Select Sector SPDR Fund (XLF)	500,000 contracts
VanEck Vectors Gold Miners ETF (GDX)	500,000 contracts
Grayscale Bitcoin Trust (BTC) (GBTC)	25,000 contracts
Grayscale Bitcoin Mini Trust (BTC) (BTC)	25,000 contracts
Bitwise Bitcoin ETF (BITB)	25,000 contracts
iShares Bitcoin Trust (IBIT)	25,000 contracts
Fidelity Wise Origin Bitcoin Fund (FBTC)	25,000 contracts
ARK21Shares Bitcoin ETF (ARKB)	25,000 contracts
<u>Grayscale Ethereum Trust ETF (ETHE)</u>	<u>25,000 contracts</u>
<u>Grayscale Ethereum Mini Trust ETF (ETH)</u>	<u>25,000 contracts</u>
<u>Bitwise Ethereum ETF (ETHW)</u>	<u>25,000 contracts</u>
