

DATE: July 17, 2015

TO: MIAX Members

FROM: MIAX Regulatory Department

RE: Market for Underlying Security used for Openings on MIAX as of July 20, 2015

The following option classes will start trading at MIAX on Monday, July 20, 2015, and, as set forth in MIAX Rule 503(d), MIAX shall use the exchanges identified below as the “market for the underlying security” for purposes of Openings on the Exchange.

SECURITY NAME	OPTION CLASS	EXCHANGE FOR OPENING
PROSHARES ULTRASHORT MSCI BRAZIL CAPPED	BZQ	NYSE ARCA
GLOBAL X CHINA FINANCIALS ETF	CHIX	NYSE ARCA
SPDR BARCLAYS CONVERTIBLE SECS ETF	CWB	NYSE ARCA
PROSHARES ULTRASHORT FTSE EUROPE	EPV	NYSE ARCA
ISHARES MSCI FRANCE ETF	EWQ	NYSE ARCA
PROSHARES ULTRASHORT GOLD	GLL	NYSE ARCA
ADVISORSHARES PERITUS HIGH YIELD ETF	HYLD	NYSE ARCA
ICAD, INC.	ICAD	NASDAQ
INTERCLOUD SYSTEMS, INC.	ICLD	NASDAQ
ISHARES 3-7 YEAR TREASURY BOND ETF	IEI	NYSE ARCA
IGI LABORATORIES, INC.	IG	NYSE MKT
HIS, INC.	IHS	NYSE
ISHARES LATIN AMERICA 40	ILF	NYSE ARCA
INGLES MARKETS, INC.	IMKTA	NASDAQ
IMS HEALTH HOLDINGS, INC.	IMS	NYSE
INOVALON HOLDINGS, INC.	INOV	NASDAQ
INTEGRATED SILICON SOLUTION, INC.	ISSI	NASDAQ
GARTNER, INC.	IT	NYSE
INVESTMENT TECHNOLOGY GROUP	ITG	NYSE
JACK HENRY & ASSOCIATES, INC.	JKHY	NASDAQ
JUNO THERAPEUTICS, INC.	JUNO	NASDAQ
IKANG HEALTHCARE GROUP, INC.	KANG	NASDAQ
KEYSIGHT TECHNOLOGIES, INC.	KEYS	NYSE
THE KEYW HOLDING CORPORATION	KEYW	NASDAQ
KLX, INC.	KLXI	NASDAQ

KENNAMETAL, INC.	KMT	NYSE
EASTMAN KODAK COMPANY	KODK	NYSE
KENNEDY-WILSON HOLDINGS, INC.	KW	NYSE
KYTHERA BIOPHARMACEUTICALS, INC.	KYTH	NASDAQ
LAYNE CHRISTENSEN COMPANY	LAYN	NASDAQ
LEJU HOLDINGS LIMITED	LEJU	NYSE
LA JOLLA PHARMACEUTICAL COMPANY	LJPC	NASDAQ
LIMELIGHT NETWORKS, INC.	LLNW	NASDAQ
GRAND CANYON EDUCATION, INC.	LOPE	NASDAQ
MATSON, INC.	MATX	NYSE
ISHARES MSCI CHINA ETF	MCHI	NYSE ARCA
MICREL, INC.	MCRL	NASDAQ
MULTI-FINELINE ELECTRONIX, INC.	MFLX	NASDAQ
MKS INSTRUMENTS, INC.	MKSI	NASDAQ
MOBILEIRON, INC.	MOBL	NASDAQ
MOLINA HEALTHCARE, INC.	MOH	NYSE
MOMO, INC.	MOMO	NASDAQ
MPLX LP	MPLX	NYSE
MAGNACHIP SEMICONDUCTOR CORP.	MX	NYSE
NATURAL HEALTH TRENDS CORP.	NHTC	NASDAQ
NEOPHOTONICS CORP.	NPTN	NYSE
NETSCOUT SYSTEMS, INC.	NTCT	NASDAQ
NUVASIVE, INC.	NUVA	NASDAQ
NOVADAQ TECHNOLOGIES, INC.	NVDQ	NASDAQ
SPARK THERAPEUTICS, INC.	ONCE	NASDAQ
ON DECK CAPITAL, INC.	ONDK	NYSE
ORANGE SA	ORAN	NYSE
ORBOTECH LTD.	ORBK	NASDAQ
ORAMED PHARMACEUTICALS, INC.	ORMP	NASDAQ
OVASCIENCE, INC.	OVAS	NASDAQ
PATTERSON COMPANIES, INC.	PDCO	NASDAQ
PROOFPOINT, INC.	PFPT	NASDAQ
POPEYES LOUISIANA KITCHEN, INC.	PLKI	NASDAQ
PEPCO HOLDINGS, INC.	POM	NYSE
POOL CORPORATION	POOL	NASDAQ
PRIMERICA, INC.	PRI	NYSE
PROSHARES ULTRASHORT 7-10 YEAR TREASURY	PST	NYSE ARCA
PTC, INC.	PTC	NASDAQ
PTC THERAPEUTICS, INC.	PTCT	NASDAQ

PORTOLA PHARMACEUTICALS, INC.	PTLA	NASDAQ
PAPA JOHN'S INTERNATIONAL, INC.	PZZA	NASDAQ
QLT, INC.	QLTI	NASDAQ
QUALITY DISTRIBUTION, INC.	QLTY	NASDAQ
Q2 HOLDINGS, INC.	QTWO	NYSE
ULTRAGENYX PHARMACEUTICAL, INC.	RARE	NASDAQ
ROGERS COMMUNICATION, INC.	RCI	NYSE
RADIUS HEALTH, INC.	RDUS	NASDAQ
RESEARCH FRONTIERS, INC.	REFR	NASDAQ
RIGEL PHARMACEUTICALS, INC.	RIGL	NASDAQ
RICE MIDSTREAM PARTNERS LP	RMP	NYSE
REALNETWORKS, INC.	RNWK	NASDAQ
RETROPHIN, INC.	RTRX	NASDAQ
DIREXION DAILY RUSSIA BEAR 3X ETF	RUSS	NYSE ARCA
RAYONIER, INC.	RYN	NYSE
SAGE THERAPEUTICS, INC.	SAGE	NASDAQ
SCHOLASTIC CORPORATION	SCHL	NASDAQ
SOLAREGE TECHNOLOGIES, INC.	SEDG	NASDAQ
IPATH BLOOMBERG SUGAR SUB TR ETN	SGG	NYSE ARCA
SPDR BARCLAYS SHORT TERM HIGH YIELD BOND ETF	SJNK	NYSE ARCA
THE SCOTTS MIRACLE-GRO COMPANY	SMG	NYSE
THE SPECTRANETICS CORPORATION	SPNC	NASDAQ
SPX CORPORATION	SPW	NYSE
SERVICESTOURCE INTERNATIONAL, INC.	SREV	NASDAQ
SORRENTO THERAPEUTICS, INC.	SRNE	NASDAQ
STERIS CORP.	STE	NYSE
STMICROELECTRONICS NV	STM	NYSE
CHINA DIGITAL TV HOLDING CO., LTD.	STV	NYSE
STARWOOD PROPERTY TRUST, INC.	STWD	NYSE
SYNGENTA AG	SYT	NYSE
TREX CO., INC.	TREX	NYSE
TROVAGENE, INC.	TROV	NASDAQ
TOTAL SYSTEM SERVICES, INC.	TSS	NYSE
TUBEMOGUL, INC.	TUBE	NASDAQ
TERNIUM SA	TX	NYSE
POWERSHARES DB US DOLLAR INDEX BEARISH FUND	UDN	NYSE ARCA
UGI CORPORATION	UGI	NYSE
VANGUARD FTSE DEVELOPED MARKETS ETF	VEA	NYSE ARCA
MERIDIAN BIOSCIENCE, INC.	VIVO	NASDAQ

IPATH S&P 500 VIX MT FUTURES ETN	VXZ	NYSE ARCA
WAYFAIR, INC.	W	NYSE
WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION	WAB	NYSE
WAGeworks, INC.	WAGE	NYSE
WALKER & DUNLOP, INC.	WD	NYSE
WESTLAKE CHEMICAL PARTNERS LP	WLKP	NYSE
W.P. CAREY, INC.	WPC	NYSE
WHITESTONE REIT	WSR	NYSE
WUXI PHARMATECH (CAYMAN), INC.	WX	NYSE
XCERRA CORPORATION	XCRA	NASDAQ
IXIA	XXIA	NASDAQ
DIREXION DAILY FTSE CHINA BEAR 3X SHARES	YANG	NYSE ARCA
YANZHOU COAL MINING CO. LTD.	YZC	NYSE
CHINA SOUTHERN AIRLINES CO. LTD.	ZNH	NYSE

Please direct any questions to the Regulatory Department at Regulatory@miaxoptions.com or (609) 897-7309.