

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



Stocks

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MARKET MAKER 4	MARKET MAKER 5	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
BBSE3	2	0	Credit Suisse (Brasil) S.A	Tucana Bay LTD	-	-	-	0.5%	9,000	80%	75%
BRFS3	2	0	Tucana Bay LTD	Optiver VOF	-	-	-	0.5%	18,000	80%	75%
CCRO3	2	0	Green Post Trading LP	Tarpika LLC	-	-	-	0.5%	10,000	80%	75%
CIEL3	2	0	Spire X Trading LLC	Tarpika LLC	-	-	-	0.75%	40,000	80%	75%
CMIG4	2	0	Green Post Trading LP	Optiver VOF	-	-	-	0.5%	28,000	80%	75%
CSNA3	2	0	XTX Markets Limited	Optiver VOF	-	-	-	0.5%	41,000	80%	75%
ELET3	2	0	QE Trading SRL	Credit Suisse (Brasil) S.A	-	-	-	0.75%	14,000	80%	75%
JBSS3	2	0	XTX Markets Limited	Citadel Securities LLC	-	-	-	0.5%	10,000	80%	75%
PCAR4	2	0	QE Trading SRL	Citadel Securities LLC	-	-	-	0.5%	3,000	80%	75%
RAIL3	2	0	XTX Markets Limited	Credit Suisse (Brasil) S.A	-	-	-	0.5%	22,000	80%	75%
RENT3	2	0	Green Post Trading LP	Spire X Trading LLC	-	-	-	0.5%	8,000	80%	75%
UGPA3	2	0	Spire X Trading LLC	Virtu Financial BD LLC	-	-	-	0.5%	12,000	80%	75%
USIM5	2	0	Green Post Trading LP	Headlands Technologies LLC	-	-	-	0.75%	60,000	80%	75%
AZUL4	3	0	QE Trading SRL	Optiver VOF	Virtu Financial BD LLC	-	-	0.75%	4,000	80%	100%
BBD3	3	0	Headlands Technologies LLC	Credit Suisse (Brasil) S.A	Optiver VOF	-	-	0.5%	4,000	80%	100%
BRAP4	3	0	Headlands Technologies LLC	Optiver VOF	Tucana Bay LTD	-	-	0.75%	6,000	80%	100%
BRDT3	3	0	Spire X Trading LLC	Credit Suisse (Brasil) S.A	Citadel Securities LLC	-	-	0.75%	10,000	80%	100%
BRML3	3	0	Bradesco S/A	Credit Suisse (Brasil) S.A	Tucana Bay LTD	-	-	0.5%	20,000	80%	100%
BRSR6	3	0	Spire X Trading LLC	XTX Markets Limited	Optiver VOF	-	-	0.75%	6,000	80%	100%
BTOW3	3	0	QE Trading SRL	Spire X Trading LLC	Virtu Financial BD LLC	-	-	0.75%	6,000	80%	100%
CPLE6	3	0	XTX Markets Limited	Virtu Financial BD LLC	Optiver VOF	-	-	0.75%	3,000	80%	100%
CRFB3	3	0	Citadel Securities LLC	Tarpika LLC	Green Post Trading LP	-	-	1%	6,500	80%	100%
CSAN3	3	0	QE Trading SRL	Citadel Securities LLC	-	-	-	0.5%	3,000	80%	100%
CSMG3	3	0	Spire X Trading LLC	XTX Markets Limited	Optiver VOF	-	-	0.75%	3,000	80%	100%
CVCB3	3	0	Virtu Financial BD LLC	Tarpika LLC	XTX Markets Limited	-	-	0.75%	5,500	80%	100%
CYRE3	3	0	Spire X Trading LLC	Tucana Bay LTD	Tarpika LLC	-	-	0.75%	6,500	80%	100%
ECOR3	3	0	Credit Suisse (Brasil) S.A	Optiver VOF	Citadel Securities LLC	-	-	0.5%	4,000	80%	100%
ELET6	3	0	Tucana Bay LTD	Tarpika LLC	Citadel Securities LLC	-	-	0.75%	6,000	80%	100%
EMBR3	3	0	Tucana Bay LTD	Optiver VOF	Virtu Financial BD LLC	-	-	0.5%	9,500	80%	100%
ENBR3	3	0	Green Post Trading LP	XTX Markets Limited	Tarpika LLC	-	-	0.75%	5,000	80%	100%
ENG11	3	0	QE Trading SRL	Green Post Trading LP	XTX Markets Limited	-	-	0.75%	3,000	80%	100%
GNDI3	3	0	Credit Suisse (Brasil) S.A	Tucana Bay LTD	Virtu Financial BD LLC	-	-	1%	4,000	80%	100%
GOAU4	3	0	Green Post Trading LP	Headlands Technologies LLC	Tarpika LLC	-	-	0.75%	45,000	80%	100%
GOLL4	3	0	XTX Markets Limited	Tucana Bay LTD	Virtu Financial BD LLC	-	-	0.75%	7,000	80%	100%
HAPV3	3	0	QE Trading SRL	Green Post Trading LP	Credit Suisse (Brasil) S.A	-	-	1%	3,000	80%	100%
HGTX3	3	0	Spire X Trading LLC	XTX Markets Limited	Credit Suisse (Brasil) S.A	-	-	0.75%	6,000	80%	100%
HYPE3	3	0	Headlands Technologies LLC	Optiver VOF	Tarpika LLC	-	-	1%	5,000	80%	100%
IRBR3	3	0	Spire X Trading LLC	XTX Markets Limited	Tarpika LLC	-	-	0.75%	2,000	80%	100%
KLBN11	3	0	QE Trading SRL	Headlands Technologies LLC	Credit Suisse (Brasil) S.A	-	-	0.5%	7,500	80%	100%
LAME4	3	0	Headlands Technologies LLC	Optiver VOF	Tarpika LLC	-	-	0.5%	7,000	80%	100%
LINX3	3	0	Green Post Trading LP	Spire X Trading LLC	Citadel Securities LLC	-	-	1.25%	3,000	80%	100%
MRFG3	3	0	QE Trading SRL	Tucana Bay LTD	Virtu Financial BD LLC	-	-	1%	13,000	80%	100%
MRVE3	3	0	QE Trading SRL	Spire X Trading LLC	Virtu Financial BD LLC	-	-	0.5%	8,000	80%	100%
MULT3	3	0	Headlands Technologies LLC	Tarpika LLC	Bradesco S/A	-	-	0.75%	8,000	80%	100%
NATU3	3	0	Green Post Trading LP	Spire X Trading LLC	XTX Markets Limited	-	-	0.75%	8,000	80%	100%
PSSA3	3	0	Green Post Trading LP	XTX Markets Limited	Tarpika LLC	-	-	0.5%	4,000	80%	100%
QUAL3	3	0	Green Post Trading LP	Tucana Bay LTD	Citadel Securities LLC	-	-	1.25%	8,000	80%	100%
SAPR11	3	0	Headlands Technologies LLC	Credit Suisse (Brasil) S.A	Optiver VOF	-	-	0.75%	2,000	80%	100%
SBSP3	3	0	Spire X Trading LLC	Credit Suisse (Brasil) S.A	Optiver VOF	-	-	0.5%	4,500	80%	100%
SLCE3	3	0	Green Post Trading LP	Tarpika LLC	Citadel Securities LLC	-	-	1%	3,000	80%	100%
SMLS3	3	0	Green Post Trading LP	Headlands Technologies LLC	Citadel Securities LLC	-	-	0.75%	2,000	80%	100%
SULA11	3	0	XTX Markets Limited	Credit Suisse (Brasil) S.A	Citadel Securities LLC	-	-	1%	4,000	80%	100%
TAE11	3	0	Headlands Technologies LLC	Tucana Bay LTD	Virtu Financial BD LLC	-	-	0.5%	3,500	80%	100%
TIMP3	3	0	Headlands Technologies LLC	Tucana Bay LTD	Optiver VOF	-	-	0.5%	12,000	80%	100%
TRPL4	3	0	XTX Markets Limited	Tarpika LLC	Optiver VOF	-	-	0.5%	4,000	80%	100%
VVAR3	3	0	QE Trading SRL	Tucana Bay LTD	Tarpika LLC	-	-	0.75%	13,500	80%	100%
WEGE3	3	0	QE Trading SRL	Credit Suisse (Brasil) S.A	Optiver VOF	-	-	0.5%	6,000	80%	100%
ALPA4	5	0	QE Trading SRL	Credit Suisse (Brasil) S.A	Tucana Bay LTD	Tarpika LLC	Citadel Securities LLC	1.5%	8,000	80%	100%

MARKET MAKER PROGRAM - STOCKS, BDRs AND ETFs



Stocks

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MARKET MAKER 4	MARKET MAKER 5	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
BEEF3	5	0	QE Trading SRL	Spire X Trading LLC	XTX Markets Limited	Tarpika LLC	Citadel Securities LLC	1.5%	11,500	80%	100%
BPAC11	5	1	QE Trading SRL	XTX Markets Limited	Citadel Securities LLC	Optiver VOF	-	1.5%	5,000	80%	100%
BRPR3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	Optiver VOF	Citadel Securities LLC	1.5%	10,000	80%	100%
CESP6	5	2	QE Trading SRL	Optiver VOF	Citadel Securities LLC	-	-	1%	4,000	80%	100%
CMIG3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	Tarpika LLC	Credit Suisse (Brasil) S.A	3.75%	6,000	80%	100%
CPLE3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	XTX Markets Limited	Optiver VOF	2%	3,000	80%	100%
CPRE3	5	4	Optiver VOF	-	-	-	-	3%	1,000	80%	100%
DTEX3	5	0	QE Trading SRL	Spire X Trading LLC	Credit Suisse (Brasil) S.A	Tucana Bay LTD	Citadel Securities LLC	1%	12,000	80%	100%
ENAT3	5	0	QE Trading SRL	XTX Markets Limited	Tucana Bay LTD	Tarpika LLC	Citadel Securities LLC	1.5%	5,000	80%	100%
EZTC3	5	0	QE Trading SRL	XTX Markets Limited	Credit Suisse (Brasil) S.A	Optiver VOF	Tarpika LLC	1%	5,000	80%	100%
GFA3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	Optiver VOF	Citadel Securities LLC	1.5%	8,000	80%	100%
LAME3	5	0	Green Post Trading LP	Spire X Trading LLC	XTX Markets Limited	Credit Suisse (Brasil) S.A	Citadel Securities LLC	1.5%	5,000	80%	100%
LIGT3	5	0	Green Post Trading LP	XTX Markets Limited	Tucana Bay LTD	Tarpika LLC	Citadel Securities LLC	1.25%	5,000	80%	100%
LOGG3	5	1	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	Optiver VOF	-	2%	6,500	80%	100%
MDIA3	5	0	Spire X Trading LLC	XTX Markets Limited	Credit Suisse (Brasil) S.A	Virtu Financial BD LLC	Citadel Securities LLC	0.75%	2,500	80%	100%
MYPK3	5	0	XTX Markets Limited	Credit Suisse (Brasil) S.A	Tucana Bay LTD	Tarpika LLC	Citadel Securities LLC	1%	5,000	80%	100%
ODPV3	5	0	QE Trading SRL	XTX Markets Limited	Credit Suisse (Brasil) S.A	Tarpika LLC	Citadel Securities LLC	1.5%	7,000	80%	100%
PAR3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	XTX Markets Limited	Optiver VOF	1.5%	4,000	80%	100%
POMO4	5	0	Green Post Trading LP	Spire X Trading LLC	Headlands Technologies LLC	Tucana Bay LTD	Citadel Securities LLC	1.75%	30,000	80%	100%
RAPT4	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	Tucana Bay LTD	Tarpika LLC	1.5%	16,000	80%	100%
RNEW11	5	3	Green Post Trading LP	Optiver VOF	-	-	-	2.5%	100	80%	100%
SAPR4	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	XTX Markets Limited	Tucana Bay LTD	1.25%	8,000	80%	100%
SEER3	5	0	Spire X Trading LLC	XTX Markets Limited	Credit Suisse (Brasil) S.A	Optiver VOF	Citadel Securities LLC	1.5%	4,000	80%	100%
SMTO3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	Credit Suisse (Brasil) S.A	Citadel Securities LLC	1%	3,000	80%	100%
TEND3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	XTX Markets Limited	Optiver VOF	1.5%	4,000	80%	100%
TJET11	5	0	Green Post Trading LP	Tucana Bay LTD	Optiver VOF	Tarpika LLC	Citadel Securities LLC	1%	8,000	80%	100%
TOTS3	5	0	Green Post Trading LP	XTX Markets Limited	Credit Suisse (Brasil) S.A	Tucana Bay LTD	Citadel Securities LLC	1.25%	4,000	80%	100%
TPIS3	5	3	Green Post Trading LP	Optiver VOF	-	-	-	2.75%	10,000	80%	100%
TUPY3	5	0	QE Trading SRL	Spire X Trading LLC	Tucana Bay LTD	Tarpika LLC	Citadel Securities LLC	1.75%	5,000	80%	100%
VLID3	5	0	QE Trading SRL	Spire X Trading LLC	Tucana Bay LTD	Optiver VOF	Citadel Securities LLC	1.5%	5,000	80%	100%
WIZS3	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	XTX Markets Limited	Optiver VOF	1.75%	10,000	80%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFS



ETFS

ASSET	MANAGER	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
BBSD11	Banco do Brasil	3	3	-	-	-	0.25%	2,000	80%	100%
							0.35%	10,000		
							0.6%	20,000		
BOVB11	Bradesco Asset Management	3	2	QE Trading SRL	-	-	0.07%	10,000	80%	100%
							0.14%	15,000		
							0.2%	30,000		
BOVV11	Itaú	3	1	QE Trading SRL	BTG Pactual	Caieiras Fundo de Investimento Multimercado	0.15%	7,500	80%	100%
							0.2%	15,000		
							0.25%	30,000		
BRAX11	Blackrock	3	3	-	-	-	0.15%	1,500	80%	100%
							0.2%	4,000		
							0.25%	15,000		
DIVO11	Itaú	3	3	-	-	-	0.15%	2,000	80%	100%
							0.2%	5,000		
							0.25%	20,000		
ECOO11	Blackrock	3	3	-	-	-	0.2%	500	80%	100%
							0.25%	2,000		
							0.3%	12,000		
FIND11	Itaú	3	3	-	-	-	0.2%	2,000	80%	100%
							0.25%	5,000		
							0.3%	20,000		
GOVE11	Itaú	3	3	-	-	-	0.2%	2,000	80%	100%
							0.25%	10,000		
							0.3%	20,000		
ISUS11	Itaú	3	3	-	-	-	0.2%	2,000	80%	100%
							0.25%	5,000		
							0.3%	20,000		
IVVB11	Blackrock	3	3	-	-	-	0.1%	4,000	80%	100%
							0.15%	10,000		
							0.2%	25,000		
MATB11	Itaú	3	3	-	-	-	0.2%	2,000	80%	100%
							0.25%	5,000		
							0.3%	20,000		
PIBB11	Itaú	3	3	-	-	-	0.15%	5,000	80%	100%
							0.2%	10,000		
							0.25%	20,000		
SMAC11	Itaú	3	3	-	-	-	0.25%	2,000	80%	100%
							0.35%	4,000		
							0.45%	14,000		
SMAL11	Blackrock	3	3	-	-	-	0.25%	1,000	80%	100%
							0.35%	2,000		
							0.6%	7,000		
SPXI11	Itaú	3	3	-	-	-	0.1%	4,000	80%	100%
							0.15%	10,000		
							0.2%	25,000		
XBOV11	Caixa Econômica	3	3	-	-	-	0.1%	3,000	80%	100%
							0.15%	8,000		
							0.2%	20,000		

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFS



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
<b>SPONSORED BDRs</b>									
GBIO33	3	3	-	-	-	2%	6,700	65%	100%
GPIV33	3	3	-	-	-	2%	11,400	65%	100%
PPLA11	3	3	-	-	-	2%	20,000	65%	100%
WSON33	3	3	-	-	-	2%	1,800	65%	100%
<b>NON-SPONSORED BDRs</b>									
A1AP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
A1BM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1DI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1DM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1EE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
A1EN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1EP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1ES34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
A1FL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1GI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1GN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
A1IV34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1IG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1KA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1LB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
A1LG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
A1LK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
A1LL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
A1LX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1MB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1MD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
A1ME34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1MP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
A1MT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
A1NE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1NS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
A1NT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
A1ON34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1OS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1PA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
A1PD34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1PH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1RE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
A1SU34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
A1TM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1TT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1UT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%

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BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
A1VB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
A1VY34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
A1WK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
AALL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
AAPL34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	800	65%	100%
ABBV34	3	1	Virtu Financial BD LLC	Allaria Ledesma & CIA AS	-	2%	200	65%	100%
ABTT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	700	65%	100%
ABUD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2%	200	65%	100%
ACNB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
ADBE34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%
ADPR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
AIGB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
AMGN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
AMZO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
APTV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
ARMT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,800	65%	100%
ARNC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
ASML34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA AS	2%	100	65%	100%
ATB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
ATVI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
AVGO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
AWII34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
AXPB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
AZOI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
B1AX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
B1BT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
B1DX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
B1FC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
B1KR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
B1LL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
B1MR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
B1RF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
B1SX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
B1WA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
BABA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2%	100	65%	100%
BBYY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
BCSA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	3,900	65%	100%
BERK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
BHPG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2%	300	65%	100%
BIDU34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
BIIB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
BILB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	3,100	65%	100%
BKNG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
BLAK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
BMYB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
BOAC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
BOEI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
BONY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
BOXP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,200	65%	100%
C1AG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
C1AH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1BL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1BO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
C1BR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
C1BS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1CI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1CL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1DN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1ER34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1FG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1FI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1HK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1HR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1IC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1MA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
C1MG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1MI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1MS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
C1NC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
C1NP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
C1NS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
C1OG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	900	65%	100%
C1OO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
C1PB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1PR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1TA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1TL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,000	65%	100%
C1TX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
C1XO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
CAJI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
CAON34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
CAPH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
CATP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
CHCM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
CHDC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
CHKE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFS



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
CHME34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
CHVX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
CINF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
CLXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
CMCS34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	400	65%	100%
CNIC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
COCA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
COLG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
COPH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,000	65%	100%
COTY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	2,700	65%	100%
COWC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
CPRL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
CRDA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
CRHP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
CRIN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
CRIP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
CSCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
CSXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
CTGP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
CTSH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
CVSH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
D1EL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
D1FS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
D1HI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
D1IS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
D1LR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
D1OM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
D1OV34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
D1RE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
D1RI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
D1TE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
D1VN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
D1XC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
DBAG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,500	65%	100%
DCVY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
DCVY35	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
DDNB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
DEAI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
DEEC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
DEOP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
DGCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
DHER34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	400	65%	100%
DISB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
DLTR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
DUKB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
DVAI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
E1CL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
E1DI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
E1FX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
E1IX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
E1MN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
E1MR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
E1OG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
E1QR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
E1SE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
E1SS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
E1TF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
E1TN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
E1TR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
E1VE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
E1VR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
E1WL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
E1XC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
E1XP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
E1XR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
EAIN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
EBAY34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	800	65%	100%
ELCI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
EQIX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
EXGR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
EXXO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	800	65%	100%
F1AN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1BH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
F1EC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1FI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
F1IS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1LI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1LS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1MC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1NI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
F1RA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
F1RC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1RI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
F1TN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
F1TV34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
FASL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%



MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
FBOK34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	200	65%	100%
FCXO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,500	65%	100%
FDMO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,600	65%	100%
FDXB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
FFTD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
FLTC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
FMSC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
FMXB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
FOXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
FSLR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	700	65%	100%
G1AR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
G1LL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
G1LW34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
G1MI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
G1PC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
G1PI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
G1RM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
G1WW34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
GDBR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
GEOO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,500	65%	100%
GILD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
GMCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
GOGL34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%
GOGL35	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%
GPRK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
GPRO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	3,000	65%	100%
GPSI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
GSGI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	800	65%	100%
H1AS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
H1BA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	900	65%	100%
H1BI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,000	65%	100%
H1CA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
H1ES34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
H1FC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
H1IG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
H1II34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
H1LT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
H1OG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
H1OL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
H1PE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	900	65%	100%
H1RB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
H1RL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
H1SI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
H1ST34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	800	65%	100%
H1UM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
HALI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
HOME34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	100	65%	100%
HONB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
HOND34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
HPQB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	800	65%	100%
HSY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
I1CE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
I1DX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
I1FF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
I1LM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
I1NC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
I1NF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
I1PC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
I1PG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
I1PH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
I1QV34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
I1RM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
I1RP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
I1SR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
I1TW34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
I1VZ34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	900	65%	100%
IBMB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
INGG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,400	65%	100%
INTU34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
ISBC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,000	65%	100%
ITLC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
J1BH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
J1CI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
J1EF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
J1EG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
J1KH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
J1NP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
J1WN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
JPC34	3	2	Virtu Financial BD LLC	-	-	R\$0.05	5,800	65%	100%
JDCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
JNJB34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	100	65%	100%
JPMC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
K1CS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
K1EL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
K1EY34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
K1IM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
K1LA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
K1MX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
K1RC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
K1SG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
K1SS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
KHCB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
KMBB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
KMIC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
KMPR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1BT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
L1CA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
L1EG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1EN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
L1HX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1IN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1KQ34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
L1NC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1OE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1RC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
L1UL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1WH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
L1YB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
LBRD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
LBRN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	2,300	65%	100%
LILY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
LMTB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
LOWC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
LSXM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
M1AA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
M1AS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
M1CB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
M1CH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
M1CK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
M1GM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
M1HK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
M1KC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
M1LM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
M1MC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
M1NS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
M1PC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
M1RO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,200	65%	100%
M1SC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
M1SI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
M1TB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
M1TD34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
M1TT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
M1XI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
MACY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	700	65%	100%
MCDC34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%
MCOR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
MDLZ34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
MDTC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
MELI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
METB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
MKLC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
MMMC34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	400	65%	100%
MOOO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
MOSC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,200	65%	100%
MRCK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
MSBR34	3	2	Allaria Ledesma & CIA SA	-	-	2%	400	65%	100%
MSCD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
MSFT34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	100	65%	100%
MUTC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
N1BL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
N1CL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
N1DA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
N1EM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
N1IS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
N1LS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
N1OV34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
N1RG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
N1SC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
N1TA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
N1TR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
N1UE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
N1VR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
N1WL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	800	65%	100%
N1WS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,000	65%	100%
N1XP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
NETE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
NEXT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
NFLX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
NIKE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
NMRH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	3,500	65%	100%
NOCG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
NOKI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	2,800	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
NVDC34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%
O1KE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
O1MC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
ORCL34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%
ORLY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
OXYP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
P1AC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
P1AY34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1BC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	900	65%	100%
P1DT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1EA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
P1EG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1FG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1GR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
P1HC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1HM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
P1IO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
P1KG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1KI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1LD34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1NR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1NW34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1PG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
P1PL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
P1RG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1SA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1SX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
P1VH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
PEPB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
PFIZ34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	400	65%	100%
PGCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2%	100	65%	100%
PHGN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
PHMO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
PNC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
PTCH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
PYPL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
Q1RV34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
Q1UA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
Q1UE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
QCOM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
R1CL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
R1EG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
R1FC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	900	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
R1HI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
R1IN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
R1JF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
R1LC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
R1MD34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
R1OK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
R1OL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
R1OP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
R1SG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
RDSA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
REGN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
RIGG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	2,400	65%	100%
RIOT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2%	300	65%	100%
ROST34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
RYTT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
S1BA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1EA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
S1HW34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1IV34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
S1JM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1LG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1NA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
S1NP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
S1OU34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1PO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
S1RE34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
S1SL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1TT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
S1TX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1WK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
S1YF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
S1YK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
S1YM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
S1YY34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
SAPP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
SBNY34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
SBUB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
SCHW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
SIMN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
SLBC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
SLBG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
SNEC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
SPGI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFs



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
SRXM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	2,100	65%	100%
SSFO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
STMN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	800	65%	100%
STZB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
T1DG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
T1EC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	700	65%	100%
T1EL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
T1FX34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
T1MU34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
T1OW34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
T1RI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
T1RO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
T1SC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
T1SO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
T1TW34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
T1XT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
TAKP34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	800	65%	100%
TEXA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	100	65%	100%
TGTB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
THGI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
TIFF34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
TJXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
TLNC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2%	2,000	65%	100%
TMCO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	100	65%	100%
TMOS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
TPRY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
TRVC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
TSLA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
TSMC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
TSNF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
TWTR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	900	65%	100%
TXSA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	800	65%	100%
U1AI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	800	65%	100%
U1AL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
U1BE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
U1DR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
U1HS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
U1LT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
U1NM34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
U1RI34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
UBSG34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,300	65%	100%
ULEV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
UNHH34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%

MARKET MAKER PROGRAM - STOCKS, BDRS AND ETFS



BDRs

ASSET	TOTAL SLOTS	AVAILABLE SLOTS	MARKET MAKER 1	MARKET MAKER 2	MARKET MAKER 3	MAX SPREAD	MIN QUANTITY	MIN ACT DURING TRADING SESSION	DISCOUNT
UPAC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
UPSS34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	600	65%	100%
USBC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
USSX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	1,000	65%	100%
V1AR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
V1MC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
V1NO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
V1RS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
V1TA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
VERZ34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
VFCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
VISA34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	100	65%	100%
VLOE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	400	65%	100%
VLYB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	1,200	65%	100%
VRSN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
VRTX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
W1AB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
W1DA34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
W1DC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
W1EC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
W1EL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
W1HR34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
W1LT34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
W1MB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	600	65%	100%
W1MC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
W1RK34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
W1YC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
W1YN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	200	65%	100%
WABC34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
WALM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	600	65%	100%
WATC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
WFCO34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2%	300	65%	100%
WGBA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
WUNI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	800	65%	100%
X1EL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	500	65%	100%
X1LN34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
X1YL34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
XRAY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	300	65%	100%
XRXB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	500	65%	100%
YUMR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2%	200	65%	100%
Z1BH34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%
Z1IO34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	300	65%	100%
Z1TS34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2%	400	65%	100%



**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**

Date	Product	Asset	Amendment
05/11/2020	BDRs	SPRN34	Delisted
05/11/2020	BDRs	UTEC34	Ticker changed to RYTT34
05/11/2020	BDRs	JCPC34	Maximum spread changed to R\$0.05
05/11/2020	BDRs	CHKE34	Minimum quantity changed to 400
03/02/2020	ETFs	SMAC11	Inclusion in the Program
01/27/2020	BDRs	A1GI34	Inclusion in the Program
01/27/2020	BDRs	A1UT34	Inclusion in the Program
01/27/2020	BDRs	A1EE34	Inclusion in the Program
01/27/2020	BDRs	A1ES34	Inclusion in the Program
01/27/2020	BDRs	A1KA34	Inclusion in the Program
01/27/2020	BDRs	A1LG34	Inclusion in the Program
01/27/2020	BDRs	A1TT34	Inclusion in the Program
01/27/2020	BDRs	T1OW34	Inclusion in the Program
01/27/2020	BDRs	A1NT34	Inclusion in the Program
01/27/2020	BDRs	A1PH34	Inclusion in the Program
01/27/2020	BDRs	B1AX34	Inclusion in the Program
01/27/2020	BDRs	F1RA34	Inclusion in the Program
01/27/2020	BDRs	B1LL34	Inclusion in the Program
01/27/2020	BDRs	B1WA34	Inclusion in the Program
01/27/2020	BDRs	C1BL34	Inclusion in the Program
01/27/2020	BDRs	C1BR34	Inclusion in the Program
01/27/2020	BDRs	C1CI34	Inclusion in the Program
01/27/2020	BDRs	C1DN34	Inclusion in the Program
01/27/2020	BDRs	C1ER34	Inclusion in the Program
01/27/2020	BDRs	C1IC34	Inclusion in the Program
01/27/2020	BDRs	C1PB34	Inclusion in the Program
01/27/2020	BDRs	D1FS34	Inclusion in the Program
01/27/2020	BDRs	DCVY35	Inclusion in the Program
01/27/2020	BDRs	E1DI34	Inclusion in the Program
01/27/2020	BDRs	E1MR34	Inclusion in the Program
01/27/2020	BDRs	E1TN34	Inclusion in the Program
01/27/2020	BDRs	E1TR34	Inclusion in the Program
01/27/2020	BDRs	F1AN34	Inclusion in the Program
01/27/2020	BDRs	F1BH34	Inclusion in the Program
01/27/2020	BDRs	T1EC34	Inclusion in the Program
01/27/2020	BDRs	F1TN34	Inclusion in the Program

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFs**


Date	Product	Asset	Amendment
01/27/2020	BDRs	F1TV34	Inclusion in the Program
01/27/2020	BDRs	G1MI34	Inclusion in the Program
01/27/2020	BDRs	G1PI34	Inclusion in the Program
01/27/2020	BDRs	H1AS34	Inclusion in the Program
01/27/2020	BDRs	H1BI34	Inclusion in the Program
01/27/2020	BDRs	P1EA34	Inclusion in the Program
01/27/2020	BDRs	H1ES34	Inclusion in the Program
01/27/2020	BDRs	H1FC34	Inclusion in the Program
01/27/2020	BDRs	H1OG34	Inclusion in the Program
01/27/2020	BDRs	H1OL34	Inclusion in the Program
01/27/2020	BDRs	H1RB34	Inclusion in the Program
01/27/2020	BDRs	I1CE34	Inclusion in the Program
01/27/2020	BDRs	I1FF34	Inclusion in the Program
01/27/2020	BDRs	I1PH34	Inclusion in the Program
01/27/2020	BDRs	I1RP34	Inclusion in the Program
01/27/2020	BDRs	I1RM34	Inclusion in the Program
01/27/2020	BDRs	J1NP34	Inclusion in the Program
01/27/2020	BDRs	K1EL34	Inclusion in the Program
01/27/2020	BDRs	K1SG34	Inclusion in the Program
01/27/2020	BDRs	K1IM34	Inclusion in the Program
01/27/2020	BDRs	L1IN34	Inclusion in the Program
01/27/2020	BDRs	L1KQ34	Inclusion in the Program
01/27/2020	BDRs	L1RC34	Inclusion in the Program
01/27/2020	BDRs	S1OU34	Inclusion in the Program
01/27/2020	BDRs	L1YB34	Inclusion in the Program
01/27/2020	BDRs	M1MC34	Inclusion in the Program
01/27/2020	BDRs	M1NS34	Inclusion in the Program
01/27/2020	BDRs	N1OV34	Inclusion in the Program
01/27/2020	BDRs	N1SC34	Inclusion in the Program
01/27/2020	BDRs	N1UE34	Inclusion in the Program
01/27/2020	BDRs	O1KE34	Inclusion in the Program
01/27/2020	BDRs	P1AY34	Inclusion in the Program
01/27/2020	BDRs	P1BC34	Inclusion in the Program
01/27/2020	BDRs	P1EG34	Inclusion in the Program
01/27/2020	BDRs	P1GR34	Inclusion in the Program
01/27/2020	BDRs	P1LD34	Inclusion in the Program

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**


Date	Product	Asset	Amendment
01/27/2020	BDRs	P1PG34	Inclusion in the Program
01/27/2020	BDRs	P1RG34	Inclusion in the Program
01/27/2020	BDRs	P1DT34	Inclusion in the Program
01/27/2020	BDRs	R1CL34	Inclusion in the Program
01/27/2020	BDRs	R1LC34	Inclusion in the Program
01/27/2020	BDRs	S1SL34	Inclusion in the Program
01/27/2020	BDRs	M1CB34	Inclusion in the Program
01/27/2020	BDRs	T1EL34	Inclusion in the Program
01/27/2020	BDRs	T1RI34	Inclusion in the Program
01/27/2020	BDRs	T1SC34	Inclusion in the Program
01/27/2020	BDRs	T1XT34	Inclusion in the Program
01/27/2020	BDRs	U1DR34	Inclusion in the Program
01/27/2020	BDRs	U1RI34	Inclusion in the Program
01/27/2020	BDRs	V1TA34	Inclusion in the Program
01/27/2020	BDRs	W1AB34	Inclusion in the Program
01/27/2020	BDRs	W1DA34	Inclusion in the Program
01/27/2020	BDRs	W1EC34	Inclusion in the Program
01/27/2020	BDRs	W1EL34	Inclusion in the Program
01/27/2020	BDRs	W1RK34	Inclusion in the Program
01/27/2020	BDRs	W1YC34	Inclusion in the Program
01/27/2020	BDRs	A1AP34	Inclusion in the Program
01/27/2020	BDRs	A1MB34	Inclusion in the Program
01/27/2020	BDRs	A1LL34	Inclusion in the Program
01/27/2020	BDRs	A1IV34	Inclusion in the Program
01/27/2020	BDRs	A1JG34	Inclusion in the Program
01/27/2020	BDRs	A1LB34	Inclusion in the Program
01/27/2020	BDRs	A1ME34	Inclusion in the Program
01/27/2020	BDRs	A1NE34	Inclusion in the Program
01/27/2020	BDRs	A1ON34	Inclusion in the Program
01/27/2020	BDRs	A1PD34	Inclusion in the Program
01/27/2020	BDRs	B1DX34	Inclusion in the Program
01/27/2020	BDRs	B1MR34	Inclusion in the Program
01/27/2020	BDRs	C1NS34	Inclusion in the Program
01/27/2020	BDRs	C1HK34	Inclusion in the Program
01/27/2020	BDRs	C1HR34	Inclusion in the Program
01/27/2020	BDRs	C1MA34	Inclusion in the Program
01/27/2020	BDRs	C1MI34	Inclusion in the Program

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**



Date	Product	Asset	Amendment
01/27/2020	BDRs	C1MS34	Inclusion in the Program
01/27/2020	BDRs	C1PR34	Inclusion in the Program
01/27/2020	BDRs	Q1UE34	Inclusion in the Program
01/27/2020	BDRs	D1OV34	Inclusion in the Program
01/27/2020	BDRs	D1RE34	Inclusion in the Program
01/27/2020	BDRs	E1CL34	Inclusion in the Program
01/27/2020	BDRs	E1QR34	Inclusion in the Program
01/27/2020	BDRs	E1SE34	Inclusion in the Program
01/27/2020	BDRs	E1VR34	Inclusion in the Program
01/27/2020	BDRs	E1WL34	Inclusion in the Program
01/27/2020	BDRs	F1LI34	Inclusion in the Program
01/27/2020	BDRs	F1LS34	Inclusion in the Program
01/27/2020	BDRs	F1MC34	Inclusion in the Program
01/27/2020	BDRs	F1RC34	Inclusion in the Program
01/27/2020	BDRs	G1RM34	Inclusion in the Program
01/27/2020	BDRs	H1IG34	Inclusion in the Program
01/27/2020	BDRs	H1SI34	Inclusion in the Program
01/27/2020	BDRs	H1UM34	Inclusion in the Program
01/27/2020	BDRs	I1LM34	Inclusion in the Program
01/27/2020	BDRs	I1NC34	Inclusion in the Program
01/27/2020	BDRs	I1NF34	Inclusion in the Program
01/27/2020	BDRs	I1QV34	Inclusion in the Program
01/27/2020	BDRs	I1TW34	Inclusion in the Program
01/27/2020	BDRs	J1BH34	Inclusion in the Program
01/27/2020	BDRs	J1EG34	Inclusion in the Program
01/27/2020	BDRs	K1LA34	Inclusion in the Program
01/27/2020	BDRs	K1MX34	Inclusion in the Program
01/27/2020	BDRs	L1OE34	Inclusion in the Program
01/27/2020	BDRs	L1EG34	Inclusion in the Program
01/27/2020	BDRs	L1HX34	Inclusion in the Program
01/27/2020	BDRs	L1NC34	Inclusion in the Program
01/27/2020	BDRs	L1UL34	Inclusion in the Program
01/27/2020	BDRs	L1WH34	Inclusion in the Program
01/27/2020	BDRs	M1TT34	Inclusion in the Program
01/27/2020	BDRs	M1CK34	Inclusion in the Program
01/27/2020	BDRs	M1HK34	Inclusion in the Program
01/27/2020	BDRs	M1SI34	Inclusion in the Program
01/27/2020	BDRs	M1XI34	Inclusion in the Program

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**



Date	Product	Asset	Amendment
01/27/2020	BDRs	N1LS34	Inclusion in the Program
01/27/2020	BDRs	N1TR34	Inclusion in the Program
01/27/2020	BDRs	N1WS34	Inclusion in the Program
01/27/2020	BDRs	R1IN34	Inclusion in the Program
01/27/2020	BDRs	O1MC34	Inclusion in the Program
01/27/2020	BDRs	P1AC34	Inclusion in the Program
01/27/2020	BDRs	P1KG34	Inclusion in the Program
01/27/2020	BDRs	P1NR34	Inclusion in the Program
01/27/2020	BDRs	P1NW34	Inclusion in the Program
01/27/2020	BDRs	P1SA34	Inclusion in the Program
01/27/2020	BDRs	P1VH34	Inclusion in the Program
01/27/2020	BDRs	Q1UA34	Inclusion in the Program
01/27/2020	BDRs	P1IO34	Inclusion in the Program
01/27/2020	BDRs	Q1RV34	Inclusion in the Program
01/27/2020	BDRs	R1JF34	Inclusion in the Program
01/27/2020	BDRs	R1OL34	Inclusion in the Program
01/27/2020	BDRs	R1SG34	Inclusion in the Program
01/27/2020	BDRs	S1EA34	Inclusion in the Program
01/27/2020	BDRs	S1JM34	Inclusion in the Program
01/27/2020	BDRs	S1PO34	Inclusion in the Program
01/27/2020	BDRs	S1RE34	Inclusion in the Program
01/27/2020	BDRs	S1YK34	Inclusion in the Program
01/27/2020	BDRs	T1RO34	Inclusion in the Program
01/27/2020	BDRs	T1TW34	Inclusion in the Program
01/27/2020	BDRs	U1AI34	Inclusion in the Program
01/27/2020	BDRs	U1NM34	Inclusion in the Program
01/27/2020	BDRs	V1AR34	Inclusion in the Program
01/27/2020	BDRs	V1NO34	Inclusion in the Program
01/27/2020	BDRs	Z1BH34	Inclusion in the Program
01/27/2020	BDRs	Z1TS34	Inclusion in the Program
01/27/2020	BDRs	A1BM34	Inclusion in the Program
01/27/2020	BDRs	A1SU34	Inclusion in the Program
01/27/2020	BDRs	A1LK34	Inclusion in the Program
01/27/2020	BDRs	A1GN34	Inclusion in the Program
01/27/2020	BDRs	A1MP34	Inclusion in the Program
01/27/2020	BDRs	A1NS34	Inclusion in the Program
01/27/2020	BDRs	A1RE34	Inclusion in the Program
01/27/2020	BDRs	A1TM34	Inclusion in the Program

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**



Date	Product	Asset	Amendment
01/27/2020	BDRs	A1VB34	Inclusion in the Program
01/27/2020	BDRs	A1VY34	Inclusion in the Program
01/27/2020	BDRs	A1WK34	Inclusion in the Program
01/27/2020	BDRs	B1FC34	Inclusion in the Program
01/27/2020	BDRs	B1RF34	Inclusion in the Program
01/27/2020	BDRs	C1BO34	Inclusion in the Program
01/27/2020	BDRs	C1MG34	Inclusion in the Program
01/27/2020	BDRs	C1OO34	Inclusion in the Program
01/27/2020	BDRs	C1TA34	Inclusion in the Program
01/27/2020	BDRs	D1LR34	Inclusion in the Program
01/27/2020	BDRs	D1RI34	Inclusion in the Program
01/27/2020	BDRs	D1TE34	Inclusion in the Program
01/27/2020	BDRs	E1FX34	Inclusion in the Program
01/27/2020	BDRs	E1MN34	Inclusion in the Program
01/27/2020	BDRs	E1SS34	Inclusion in the Program
01/27/2020	BDRs	E1XP34	Inclusion in the Program
01/27/2020	BDRs	E1XR34	Inclusion in the Program
01/27/2020	BDRs	F1FI34	Inclusion in the Program
01/27/2020	BDRs	F1RI34	Inclusion in the Program
01/27/2020	BDRs	G1LL34	Inclusion in the Program
01/27/2020	BDRs	G1PC34	Inclusion in the Program
01/27/2020	BDRs	G1WW34	Inclusion in the Program
01/27/2020	BDRs	H1II34	Inclusion in the Program
01/27/2020	BDRs	I1DX34	Inclusion in the Program
01/27/2020	BDRs	I1PG34	Inclusion in the Program
01/27/2020	BDRs	I1SR34	Inclusion in the Program
01/27/2020	BDRs	G1AR34	Inclusion in the Program
01/27/2020	BDRs	J1EF34	Inclusion in the Program
01/27/2020	BDRs	J1KH34	Inclusion in the Program
01/27/2020	BDRs	K1CS34	Inclusion in the Program
01/27/2020	BDRs	L1CA34	Inclusion in the Program
01/27/2020	BDRs	A1EN34	Inclusion in the Program
01/27/2020	BDRs	M1AA34	Inclusion in the Program
01/27/2020	BDRs	M1KC34	Inclusion in the Program
01/27/2020	BDRs	M1LM34	Inclusion in the Program
01/27/2020	BDRs	M1SC34	Inclusion in the Program
01/27/2020	BDRs	M1TB34	Inclusion in the Program
01/27/2020	BDRs	M1TD34	Inclusion in the Program

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**

Date	Product	Asset	Amendment
01/27/2020	BDRs	N1DA34	Inclusion in the Program
01/27/2020	BDRs	N1VR34	Inclusion in the Program
01/27/2020	BDRs	P1FG34	Inclusion in the Program
01/27/2020	BDRs	P1HC34	Inclusion in the Program
01/27/2020	BDRs	P1KI34	Inclusion in the Program
01/27/2020	BDRs	E1VE34	Inclusion in the Program
01/27/2020	BDRs	R1EG34	Inclusion in the Program
01/27/2020	BDRs	R1HI34	Inclusion in the Program
01/27/2020	BDRs	R1MD34	Inclusion in the Program
01/27/2020	BDRs	R1OK34	Inclusion in the Program
01/27/2020	BDRs	R1OP34	Inclusion in the Program
01/27/2020	BDRs	S1BA34	Inclusion in the Program
01/27/2020	BDRs	S1HW34	Inclusion in the Program
01/27/2020	BDRs	S1IV34	Inclusion in the Program
01/27/2020	BDRs	S1LG34	Inclusion in the Program
01/27/2020	BDRs	S1NA34	Inclusion in the Program
01/27/2020	BDRs	S1NP34	Inclusion in the Program
01/27/2020	BDRs	S1WK34	Inclusion in the Program
01/27/2020	BDRs	T1DG34	Inclusion in the Program
01/27/2020	BDRs	T1FX34	Inclusion in the Program
01/27/2020	BDRs	U1HS34	Inclusion in the Program
01/27/2020	BDRs	U1LT34	Inclusion in the Program
01/27/2020	BDRs	V1MC34	Inclusion in the Program
01/27/2020	BDRs	V1RS34	Inclusion in the Program
01/27/2020	BDRs	W1HR34	Inclusion in the Program
01/27/2020	BDRs	W1LT34	Inclusion in the Program
01/27/2020	BDRs	X1YL34	Inclusion in the Program
12/26/2019	BDRs	A1DI34	Inclusion in the Program
12/26/2019	BDRs	A1DM34	Inclusion in the Program
12/26/2019	BDRs	A1EP34	Inclusion in the Program
12/26/2019	BDRs	A1FL34	Inclusion in the Program
12/26/2019	BDRs	A1LX34	Inclusion in the Program
12/26/2019	BDRs	A1MT34	Inclusion in the Program
12/26/2019	BDRs	A1MD34	Inclusion in the Program
12/26/2019	BDRs	A1OS34	Inclusion in the Program
12/26/2019	BDRs	A1PA34	Inclusion in the Program
12/26/2019	BDRs	B1BT34	Inclusion in the Program
12/26/2019	BDRs	B1KR34	Inclusion in the Program

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**



Date	Product	Asset	Amendment
12/26/2019	BDRs	B1SX34	Inclusion in the Program
12/26/2019	BDRs	C1AG34	Inclusion in the Program
12/26/2019	BDRs	C1AH34	Inclusion in the Program
12/26/2019	BDRs	C1BS34	Inclusion in the Program
12/26/2019	BDRs	C1CL34	Inclusion in the Program
12/26/2019	BDRs	C1FI34	Inclusion in the Program
12/26/2019	BDRs	C1FG34	Inclusion in the Program
12/26/2019	BDRs	C1NC34	Inclusion in the Program
12/26/2019	BDRs	C1NP34	Inclusion in the Program
12/26/2019	BDRs	C1OG34	Inclusion in the Program
12/26/2019	BDRs	C1TL34	Inclusion in the Program
12/26/2019	BDRs	C1TX34	Inclusion in the Program
12/26/2019	BDRs	C1XO34	Inclusion in the Program
12/26/2019	BDRs	D1OM34	Inclusion in the Program
12/26/2019	BDRs	D1EL34	Inclusion in the Program
12/26/2019	BDRs	D1HI34	Inclusion in the Program
12/26/2019	BDRs	D1IS34	Inclusion in the Program
12/26/2019	BDRs	D1VN34	Inclusion in the Program
12/26/2019	BDRs	D1XC34	Inclusion in the Program
12/26/2019	BDRs	E1IX34	Inclusion in the Program
12/26/2019	BDRs	E1OG34	Inclusion in the Program
12/26/2019	BDRs	E1TF34	Inclusion in the Program
12/26/2019	BDRs	E1XC34	Inclusion in the Program
12/26/2019	BDRs	F1EC34	Inclusion in the Program
12/26/2019	BDRs	F1NI34	Inclusion in the Program
12/26/2019	BDRs	F1IS34	Inclusion in the Program
12/26/2019	BDRs	G1LW34	Inclusion in the Program
12/26/2019	BDRs	H1BA34	Inclusion in the Program
12/26/2019	BDRs	H1CA34	Inclusion in the Program
12/26/2019	BDRs	H1LT34	Inclusion in the Program
12/26/2019	BDRs	H1PE34	Inclusion in the Program
12/26/2019	BDRs	H1RL34	Inclusion in the Program
12/26/2019	BDRs	H1ST34	Inclusion in the Program
12/26/2019	BDRs	I1PC34	Inclusion in the Program
12/26/2019	BDRs	I1VZ34	Inclusion in the Program
12/26/2019	BDRs	J1CI34	Inclusion in the Program
12/26/2019	BDRs	J1WN34	Inclusion in the Program
12/26/2019	BDRs	K1EY34	Inclusion in the Program



**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFs**



Date	Product	Asset	Amendment
12/26/2019	BDRs	K1RC34	Inclusion in the Program
12/26/2019	BDRs	K1SS34	Inclusion in the Program
12/26/2019	BDRs	L1BT34	Inclusion in the Program
12/26/2019	BDRs	L1EN34	Inclusion in the Program
12/26/2019	BDRs	M1AS34	Inclusion in the Program
12/26/2019	BDRs	M1CH34	Inclusion in the Program
12/26/2019	BDRs	M1GM34	Inclusion in the Program
12/26/2019	BDRs	M1PC34	Inclusion in the Program
12/26/2019	BDRs	M1RO34	Inclusion in the Program
12/26/2019	BDRs	N1BL34	Inclusion in the Program
12/26/2019	BDRs	N1CL34	Inclusion in the Program
12/26/2019	BDRs	N1EM34	Inclusion in the Program
12/26/2019	BDRs	N1IS34	Inclusion in the Program
12/26/2019	BDRs	N1RG34	Inclusion in the Program
12/26/2019	BDRs	N1TA34	Inclusion in the Program
12/26/2019	BDRs	N1WL34	Inclusion in the Program
12/26/2019	BDRs	N1XP34	Inclusion in the Program
12/26/2019	BDRs	P1HM34	Inclusion in the Program
12/26/2019	BDRs	P1PL34	Inclusion in the Program
12/26/2019	BDRs	P1SX34	Inclusion in the Program
12/26/2019	BDRs	R1FC34	Inclusion in the Program
12/26/2019	BDRs	T1SO34	Inclusion in the Program
12/26/2019	BDRs	S1TT34	Inclusion in the Program
12/26/2019	BDRs	S1TX34	Inclusion in the Program
12/26/2019	BDRs	S1YF34	Inclusion in the Program
12/26/2019	BDRs	S1YM34	Inclusion in the Program
12/26/2019	BDRs	S1YY34	Inclusion in the Program
12/26/2019	BDRs	T1MU34	Inclusion in the Program
12/26/2019	BDRs	U1AL34	Inclusion in the Program
12/26/2019	BDRs	U1BE34	Inclusion in the Program
12/26/2019	BDRs	W1DC34	Inclusion in the Program
12/26/2019	BDRs	W1MC34	Inclusion in the Program
12/26/2019	BDRs	W1MB34	Inclusion in the Program
12/26/2019	BDRs	W1YN34	Inclusion in the Program
12/26/2019	BDRs	X1EL34	Inclusion in the Program
12/26/2019	BDRs	X1LN34	Inclusion in the Program
12/26/2019	BDRs	Z1IO34	Inclusion in the Program
11/28/2019	BDRs	AVON34	Delisted

**MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFS**



Date	Product	Asset	Amendment
11/26/2019	BDRs	CLGN34	Delisted
11/26/2019	BDRs	VIAM34	Delisted
11/08/2019	BDRs	SANC34	Delisted