

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	-	-	-	1.5%	80,000	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%
JBS53	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	-	-	-	1.25%	70,000	80%	75%
AZUL4	3	0	QE Trading SRL	Optiver VOF	Virtu Financial BD LLC	-	-	0.75%	4,000	80%	100%
BBDC3	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	-	-	0.75%	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	-	-	1.00%	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%
ENBR3	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%
ENGI11	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	-	-	1.00%	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	-	-	1.00%	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	-	-	1.00%	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	-	-	1.00%	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	Optiver VOF	-	-	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	-	-	1.00%	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	-	-	1.00%	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%

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Stocks

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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	Jump Trading	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	Jump Trading	-	1,00%	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	2,00%	3,000	80%	100%
CPRE3	5	4	Optiver VOF	-	-	-	-	3,00%	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	1,00%	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	1,00%	5,000	80%	100%
GFSA3	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	Headlands Technologies LLC	2,00%	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	1,00%	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%
PARD3	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	Tarpika 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%
SMT03	5	0	QE Trading SRL	Green Post Trading LP	Spire X Trading LLC	Credit Suisse (Brasil) S.A	Citadel Securities LLC	1,00%	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%
TIET11	5	0	Green Post Trading LP	Tucana Bay LTD	Optiver VOF	Tarpika LLC	Citadel Securities LLC	1,00%	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%
GRND3	5	5	Jump Trading	-	-	-	-	2,00%	3,400	80%	100%
SQIA3	5	5	Jump Trading	-	-	-	-	1,00%	1,200	80%	100%
LOGN3	5	5	Jump Trading	-	-	-	-	1,00%	1,800	80%	100%
ABCB4	5	5	Jump Trading	-	-	-	-	1,00%	1,700	80%	100%
TRIS3	5	5	Jump Trading	-	-	-	-	1,00%	2,400	80%	100%
DIRR3	5	5	Jump Trading	-	-	-	-	1,00%	1,900	80%	100%
ANIM3	3	3	Jump Trading	-	-	-	-	1,00%	800	80%	100%
ITUB3	3	3	Jump Trading	-	-	-	-	1,00%	1,000	80%	100%
PTBL3	5	5	Jump Trading	-	-	-	-	2,00%	2,900	80%	100%
GUAR3	3	3	Jump Trading	-	-	-	-	1,00%	1,800	80%	100%
TASA4	5	5	Jump Trading	-	-	-	-	2,00%	1,500	80%	100%
ROMI3	5	5	Jump Trading	-	-	-	-	1,00%	1,500	80%	100%
PNVL3	5	5	Jump Trading	-	-	-	-	1,00%	1,200	80%	100%
CAML3	5	5	Jump Trading	-	-	-	-	1,00%	2,400	80%	100%
AMBP3	5	5	Jump Trading	-	-	-	-	2,00%	1,400	80%	100%
LIQQ3	5	5	Jump Trading	-	-	-	-	1,00%	1,400	80%	100%
PETZ3	3	3	Jump Trading	-	-	-	-	1,00%	1,200	80%	100%
SIMH3	5	5	Jump Trading	-	-	-	-	1,00%	700	80%	100%
HBSA3	5	5	Jump Trading	-	-	-	-	2,00%	3,800	80%	100%
GMAT3	5	5	Jump Trading	-	-	-	-	2,00%	3,100	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	Optiver VOF	-	-	0.07%	10,000	80%	100%
							0.14%	15,000		
							0.2%	30,000		
BOVV11	Itaú	3	0	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
SPONSORED BDRS									
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%
NON-SPONSORED BDRS									
BAA39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.7%	2,100	65%	100%
BACW39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	3,200	65%	100%
BAER39	3	0	Morgan Stanley	Allaria Ledesma & CIA SA	Flow Traders	0.5%	5,000	65%	100%
BCHI39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.6%	2,700	65%	100%
BDVY39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	2,000	65%	100%
BEEM39	3	0	Morgan Stanley	Virtu Financial BD LLC	Flow Traders	0.5%	7,000	65%	100%
BEFA39	3	0	Morgan Stanley	Virtu Financial BD LLC	Flow Traders	0.5%	7,000	65%	100%
BEGD39	3	0	Morgan Stanley	Allaria Ledesma & CIA SA	Virtu Financial BD LLC	0.5%	5,200	65%	100%
BEGE39	3	0	Morgan Stanley	Flow Traders	Allaria Ledesma & CIA SA	0.5%	5,000	65%	100%
BEGU39	3	0	Morgan Stanley	Allaria Ledesma & CIA SA	Flow Traders	0.5%	6,000	65%	100%
BEWG39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.51%	2,700	65%	100%
BEWH39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.6%	3,400	65%	100%
BEWJ39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	3,400	65%	100%
BEWP39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.51%	2,100	65%	100%
BEWT39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	3,300	65%	100%
BEWU39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.51%	1,900	65%	100%
BEWW39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	3,100	65%	100%
BEWY39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.6%	2,900	65%	100%
BEWZ39	3	0	Morgan Stanley	Virtu Financial BD LLC	Flow Traders	0.5%	6,000	65%	100%
BEZU39	3	0	Morgan Stanley	Virtu Financial BD LLC	Flow Traders	0.5%	6,000	65%	100%
BIAU39	3	0	Morgan Stanley	Allaria Ledesma & CIA SA	Flow Traders	0.5%	3,300	65%	100%
BIBB39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	2,900	65%	100%
BIEF39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.5%	6,000	65%	100%
BIEM39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.5%	6,000	65%	100%
BIEU39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	2,200	65%	100%
BIGF39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.7%	1,700	65%	100%
BIJH39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	2,500	65%	100%
BIJR39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	2,600	65%	100%
BILF39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.7%	2,100	65%	100%
BITO39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	3,400	65%	100%
BIVB39	3	0	Morgan Stanley	Flow Traders	Allaria Ledesma & CIA SA	0.5%	5,100	65%	100%
BIWM39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	5,100	65%	100%
BIXJ39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.7%	2,000	65%	100%
BIXN39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.7%	2,000	65%	100%
BIYF39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	2,200	65%	100%
BIYW39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.51%	2,000	65%	100%
BNDA39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	3,000	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
BPRS39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.6%	3,000	65%	100%
BSLV39	3	0	Morgan Stanley	Virtu Financial BD LLC	Flow Traders	0.5%	8,000	65%	100%
BUSM39	3	0	Morgan Stanley	Flow Traders	Virtu Financial BD LLC	0.5%	3,400	65%	100%
BXTC39	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	0.7%	3,000	65%	100%
A1BB34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	1,0%	1,900	65%	100%
A1CR34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,100	65%	100%
A1EG34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	4,400	65%	100%
A1LN34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.8%	1,800	65%	100%
A1MX34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	1,900	65%	100%
A1RG34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.85%	1,200	65%	100%
A1SN34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	1.15%	1,200	65%	100%
A1TH34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,200	65%	100%
A1UA34	3	0	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	Credit Suisse (Brasil) S.A.	1.5%	1,800	65%	100%
A1YX34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,200	65%	100%
A1ZN34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	0.5%	1,400	65%	100%
B1AM34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	0.75%	1,500	65%	100%
B1BL34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	1,0%	1,500	65%	100%
B1CS34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.6%	2,300	65%	100%
B1GN34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.85%	1,000	65%	100%
B1IL34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.25%	1,400	65%	100%
B1NT34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,200	65%	100%
B1PP34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.25%	3,100	65%	100%
B1SA34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.8%	1,800	65%	100%
B1TI34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.45%	1,900	65%	100%
C1AB34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,300	65%	100%
C1DW34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,000	65%	100%
C1EO34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,600	65%	100%
C1GP34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,500	65%	100%
C1HI34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.75%	1,900	65%	100%
C1HL34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.45%	1,500	65%	100%
C1HT34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,400	65%	100%
C1OU34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.25%	1,200	65%	100%
C1RR34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.25%	1,600	65%	100%
C1SU34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	2,300	65%	100%
C1TV34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.55%	1,500	65%	100%
D1DG34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,600	65%	100%
D1EX34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,600	65%	100%
D1OC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,200	65%	100%
D1OW34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,200	65%	100%
E1CO34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	2,500	65%	100%
E1DU34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.65%	1,100	65%	100%
E1NI34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.6%	1,900	65%	100%
E1QN34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,800	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
E1RI34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	2,300	65%	100%
F1SL34	3	0	Morgan Stanley	Virtu Financial BD LLC	Optiver	1,0%	2,700	65%	100%
G1DS34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,600	65%	100%
G1FI34	3	1	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	-	1.5%	2,000	65%	100%
G1LP34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.8%	2,000	65%	100%
G1SK34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	1,0%	1,800	65%	100%
H1DB34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,100	65%	100%
H1EI34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,100	65%	100%
H1SB34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.25%	2,500	65%	100%
H1TH34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,300	65%	100%
H1ZN34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.7%	1,600	65%	100%
I1AC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,200	65%	100%
I1BN34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	1,100	65%	100%
I1EX34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,500	65%	100%
I1FO34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	1,600	65%	100%
I1HG34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,400	65%	100%
I1QY34	3	0	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	Credit Suisse (Brasil) S.A.	1.5%	1,100	65%	100%
I1XC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,600	65%	100%
K1BF34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,400	65%	100%
K1TC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,200	65%	100%
L1BT35	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	2,400	65%	100%
L1DO34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,500	65%	100%
L1FC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	2,000	65%	100%
L1VS34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,400	65%	100%
L1YG34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	1.25%	8,500	65%	100%
L1YV34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,100	65%	100%
LSXM35	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,300	65%	100%
M1BT34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,500	65%	100%
M1DB34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	900	65%	100%
M1KT34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.9%	1,200	65%	100%
M1LC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,700	65%	100%
M1RN34	3	0	Morgan Stanley	XP FALX	Virtu Financial BD LLC	0.55%	1,800	65%	100%
M1TC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,200	65%	100%
M1UF34	3	1	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	-	1.5%	3,100	65%	100%
N1BI34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.65%	2,600	65%	100%
N1GG34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,200	65%	100%
N1IC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	3,000	65%	100%
N1OW34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	1,200	65%	100%
N1VO34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.6%	1,400	65%	100%
N1VS34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,500	65%	100%
N1WG34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	4,200	65%	100%
N1WS35	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.55%	1,800	65%	100%
O1DF34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,400	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
O1KT34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,300	65%	100%
O1TI34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,200	65%	100%
P1DD34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,400	65%	100%
P1KX34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,100	65%	100%
P1UK34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,800	65%	100%
P1YC34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.25%	1,000	65%	100%
R1DY34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,100	65%	100%
R1EL34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	2,300	65%	100%
R1KU34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,200	65%	100%
R1YA34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,200	65%	100%
RDSA35	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,000	65%	100%
S1BS34	3	1	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	-	1.5%	2,000	65%	100%
S1GE34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,200	65%	100%
S1KM34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	2,100	65%	100%
S1MF34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.65%	2,200	65%	100%
S1NN34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,600	65%	100%
S1PL34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	1,200	65%	100%
S1RP34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.75%	1,800	65%	100%
S1SN34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,300	65%	100%
S1TE34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	1.25%	1,300	65%	100%
T1AL34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,000	65%	100%
T1AM34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.5%	1,200	65%	100%
T1CH34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	1.25%	1,400	65%	100%
T1EV34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	3,000	65%	100%
T1LK34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,300	65%	100%
T1SS34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	2,500	65%	100%
T1WL34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,000	65%	100%
U1NL34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,400	65%	100%
V1IP34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,500	65%	100%
V1OD34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,800	65%	100%
W1BK34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.6%	1,900	65%	100%
W1BO34	3	1	Morgan Stanley	Virtu Financial BD LLC	-	0.75%	1,300	65%	100%
W1IX34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1,0%	1,300	65%	100%
W1MG34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,800	65%	100%
W1PP34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,400	65%	100%
W1RB34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	2,000	65%	100%
W1SO34	3	0	Morgan Stanley	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A.	1.5%	1,300	65%	100%
Z1BR34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.5%	1,300	65%	100%
Z1OM34	3	0	Morgan Stanley	Virtu Financial BD LLC	XP FALX	0.5%	600	65%	100%
Z1TO34	3	0	Morgan Stanley	Virtu Financial BD LLC	Allaria Ledesma & CIA SA	1.25%	1,600	65%	100%
A1AP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
A1BM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1DI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
A1DM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1EE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
A1EN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1EP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1ES34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
A1FL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1GI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1GN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
A1IV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1JG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1KA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1LB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
A1LG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
A1LK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
A1LL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
A1LX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1MB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1MD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
A1ME34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1MP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
A1MT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1NE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1NS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
A1NT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
A1ON34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1OS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1PA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
A1PD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1PH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1RE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
A1SU34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
A1TM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1TT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1UT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
A1VB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Morgan Stanley	2,0%	300	65%	100%
A1VY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
A1WK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
AALL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
AAPL34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	800	65%	100%
ABBV34	3	0	Virtu Financial BD LLC	Allaria Ledesma & CIA AS	Morgan Stanley	2,0%	200	65%	100%
ABTT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
ABUD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2,0%	200	65%	100%
ACNB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
ADBE34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
ADPR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
AIGB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
AMGN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
AMZO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
APTV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
ARMT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,800	65%	100%
ARNC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
ASML34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA AS	2,0%	100	65%	100%
ATTB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
ATVI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
AVGO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
AWII34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
AXPB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
AZOI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
B1AX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
B1BT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
B1DX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
B1FC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
B1KR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
B1LL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
B1MR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
B1RF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
B1SX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
B1WA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
BABA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2,0%	100	65%	100%
BBYY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
BCSA34	3	0	Virtu Financial BD LLC	Morgan Stanley	-	2,0%	3,900	65%	100%
BERK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
BHPG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2,0%	300	65%	100%
BIDU34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
BIIB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
BILB34	3	0	Virtu Financial BD LLC	Morgan Stanley	-	2,0%	3,100	65%	100%
BKNG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
BLAK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
BMYB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
BOAC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
BOEI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
BONY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
BOXP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,200	65%	100%
C1AG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
C1AH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1BL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
C1BO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
C1BR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
C1BS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
C1CI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
C1CL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1DN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
C1ER34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
C1FG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
C1FI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1HK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1HR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
C1IC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1MA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
C1MG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1MI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1MS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
C1NC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
C1NP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
C1NS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
C1OG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	900	65%	100%
C1OO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
C1PB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1PR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1TA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1TL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,000	65%	100%
C1TX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
C1XO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
CAJI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
CAON34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CAPH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CATP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
CHCM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
CHDC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
CHME34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CHVX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CINF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CLXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
CMCS34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	400	65%	100%
CNIC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
COCA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
COLG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
COPH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,000	65%	100%
COTY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
COWC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
CPRL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
CRDA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CRHP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
CRIN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
CRIP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
CSCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CSXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
CTGP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
CTSH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
CVSH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
D1EL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
D1FS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
D1HI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
D1IS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
D1LR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
D1OM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
D1OV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
D1RE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
D1RI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
D1TE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
D1VN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
D1XC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
DBAG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,500	65%	100%
DCVY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
DCVY35	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
DDNB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
DEAI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
DEEC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
DEOP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
DGCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
DHER34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	400	65%	100%
DISB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
DLTR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
DUKB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
DVAI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
E1CL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
E1DI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
E1FX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
E1IX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
E1MN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
E1MR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
E1OG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
E1QR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
E1SE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
E1SS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
E1TF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
E1TN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
E1TR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
E1VE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
E1VR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
E1WL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
E1XC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
E1XP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
E1XR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
EAIN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
EBAY34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	800	65%	100%
ELCI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
EQIX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
EXGR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
EXXO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
F1AN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1BH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
F1EC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1FI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
F1IS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1LI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1LS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1MC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1NI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
F1RA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
F1RC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1RI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
F1TN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
F1TV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
FASL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
FBOK34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	200	65%	100%
FCXO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,500	65%	100%
FDMO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,600	65%	100%
FDXB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
FFTD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
FLTC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
FMSC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
FMXB34	3	1	Virtu Financial BD LLC	Morgan Stanley	-	2,0%	200	65%	100%
FOXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
FSLR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
G1AR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
G1LL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
G1LW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
G1MI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
G1PC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
G1PI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
G1RM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
G1WW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
GDBR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
GEOO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,500	65%	100%
GILD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
GMCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
GOGL34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
GOGL35	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
GPRK34	3	0	Virtu Financial BD LLC	Morgan Stanley	-	2,0%	700	65%	100%
GPRO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	3,000	65%	100%
GPSI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
GSGI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
H1AS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
H1BA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	900	65%	100%
H1BI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,000	65%	100%
H1CA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
H1ES34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
H1FC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
H1IG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
H1II34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
H1LT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
H1OG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
H1OL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
H1PE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	900	65%	100%
H1RB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
H1RL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
H1SI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
H1ST34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
H1UM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
HALI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
HOME34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	100	65%	100%
HONB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
HOND34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
HPQB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
HSHY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
I1CE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
I1DX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
I1FF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
I1LM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
I1NC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
I1NF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
I1PC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
I1PG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
I1PH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
I1QV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
I1RM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
I1RP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
I1SR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
I1TW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
I1VZ34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	900	65%	100%
IBMB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
INGG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,400	65%	100%
INTU34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
ISBC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,000	65%	100%
ITLC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
J1BH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
J1CI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
J1EF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
J1EG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
J1KH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
J1NP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
J1WN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
JDCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
JNJB34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	100	65%	100%
JPMC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
K1CS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
K1EL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
K1EY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
K1IM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
K1LA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
K1MX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
K1RC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
K1SG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
K1SS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
KHCB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
KMBB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
KMIC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
KMPR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1BT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
L1CA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
L1EG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1EN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
L1HX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1IN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1KQ34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
L1NC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1OE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1RC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
L1UL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1WH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
L1YB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
LBRD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
LBRN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	2,300	65%	100%
LILY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
LMTB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
LOWC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
LSXM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
M1AA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
M1AS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
M1CB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
M1CH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
M1CK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
M1GM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
M1HK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
M1KC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
M1LM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
M1MC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
M1NS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
M1PC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
M1RO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,200	65%	100%
M1SC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
M1SI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
M1TB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
M1TD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
M1TT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
M1XI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
MACY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
MCDC34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
MCOR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
MDLZ34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
MDTC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
MELI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
METB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
MKLC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
MMMC34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	400	65%	100%
MOOO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
MOSC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,200	65%	100%
MRCK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
MSBR34	3	2	Allaria Ledesma & CIA SA	-	-	2,0%	400	65%	100%
MSCD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
MSFT34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	100	65%	100%
MUTC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
N1BL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
N1CL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
N1DA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
N1EM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
N1IS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
N1LS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
N1OV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
N1RG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
N1SC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
N1TA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
N1TR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
N1UE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
N1VR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
N1WL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
N1WS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,000	65%	100%
N1XP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
NETE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
NEXT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
NFLX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
NIKE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
NMRH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	3,500	65%	100%
NOCG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
NOKI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	2,800	65%	100%
NVDC34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
O1KE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
O1MC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
ORCL34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
ORLY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
OXYP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
P1AC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
P1AY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1BC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	900	65%	100%
P1DT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1EA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
P1EG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1FG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1GR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
P1HC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1HM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
P1IO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
P1KG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1KI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1LD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1NR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1NW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1PG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
P1PL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
P1RG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1SA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1SX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
P1VH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
PEPB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
PFIZ34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	400	65%	100%
PGCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2,0%	100	65%	100%
PHGN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
PHMO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
PNCS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
PTCH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
PYPL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
Q1RV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
Q1UA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
Q1UE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
QCOM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
R1CL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
R1EG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
R1FC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	900	65%	100%
R1HI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
R1IN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
R1JF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
R1LC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
R1MD34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
R1OK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
R1OL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
R1OP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
R1SG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
RDSA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
REGN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
RIGG34	3	0	Virtu Financial BD LLC	Morgan Stanley	-	2,0%	2,400	65%	100%
RIOT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2,0%	300	65%	100%
ROST34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
RYTT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
S1BA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1EA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
S1HW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1IV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
S1JM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1LG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1NA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
S1NP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
S1OU34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1PO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
S1RE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
S1SL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1TT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
S1TX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1WK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
S1YF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
S1YK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
S1YM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
S1YY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
SAPP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
SBNY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
SBUB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
SCHW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
SIMN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
SLBC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
SLBG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
SNEC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
SPGI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
SRXM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	2,100	65%	100%
SSFO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
STMN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
STZB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
T1DG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
T1EC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	700	65%	100%
T1EL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
T1FX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
T1MU34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
T1OW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
T1RI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	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
T1RO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
T1SC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
T1SO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
T1TW34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
T1XT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
TAKP34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
TEXA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
TGTB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
THGI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
TIFF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
TJXC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
TLNC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Credit Suisse	2,0%	2,000	65%	100%
TMCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	100	65%	100%
TMOS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
TPRY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
TRVC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
TSLA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
TSMC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
TSNF34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
TWTR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	900	65%	100%
TXSA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
U1AI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
U1AL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
U1BE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
U1DR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
U1HS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
U1LT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
U1NM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
U1RI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
UBSG34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,300	65%	100%
ULEV34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
UNHH34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
UPAC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
UPSS34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	600	65%	100%
USBC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
USSX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,000	65%	100%
V1AR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
V1MC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
V1NO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
V1RS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
V1TA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
VERZ34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
VFCO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	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
VISA34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	100	65%	100%
VLOE34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
VLYB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	1,200	65%	100%
VRSN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
VRTX34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
W1AB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
W1DA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
W1DC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
W1EC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
W1EL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
W1HR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
W1LT34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
W1MB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
W1MC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
W1RK34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
W1YC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
W1YN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
WABC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
WALM34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	600	65%	100%
WATC34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
WFCO34	3	0	Virtu Financial BD LLC	Credit Suisse (Brasil) S.A	Morgan Stanley	2,0%	300	65%	100%
WGBA34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
WUNI34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	800	65%	100%
X1EL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
X1LN34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
X1YL34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
XRAY34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
XRXB34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	500	65%	100%
YUMR34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	200	65%	100%
Z1BH34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%
Z1IO34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	300	65%	100%
Z1TS34	3	0	Virtu Financial BD LLC	Morgan Stanley	Allaria Ledesma & CIA SA	2,0%	400	65%	100%

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFS


Date	Product	Asset	Amendment
04/15/2021	Stocks	GRND3	Inclusion in the Program
04/15/2021	Stocks	SQIA3	Inclusion in the Program
04/15/2021	Stocks	LOGN3	Inclusion in the Program
04/15/2021	Stocks	ABCB4	Inclusion in the Program
04/15/2021	Stocks	TRIS3	Inclusion in the Program
04/15/2021	Stocks	DIRR3	Inclusion in the Program
04/15/2021	Stocks	ANIM3	Inclusion in the Program
04/15/2021	Stocks	ITUB3	Inclusion in the Program
04/15/2021	Stocks	PTBL3	Inclusion in the Program
04/15/2021	Stocks	GUAR3	Inclusion in the Program
04/15/2021	Stocks	TASA4	Inclusion in the Program
04/15/2021	Stocks	ROMI3	Inclusion in the Program
04/15/2021	Stocks	PNVL3	Inclusion in the Program
04/15/2021	Stocks	CAML3	Inclusion in the Program
04/15/2021	Stocks	AMBP3	Inclusion in the Program
04/15/2021	Stocks	LJQQ3	Inclusion in the Program
04/15/2021	Stocks	PETZ3	Inclusion in the Program
04/15/2021	Stocks	SIMH3	Inclusion in the Program
04/15/2021	Stocks	HBSA3	Inclusion in the Program
04/15/2021	Stocks	GMAT3	Inclusion in the Program
12/10/2020	BDRs	BAAX39	Inclusion in the Program
12/10/2020	BDRs	BACW39	Inclusion in the Program
12/10/2020	BDRs	BAER39	Inclusion in the Program
12/10/2020	BDRs	BCHI39	Inclusion in the Program
12/10/2020	BDRs	BDVY39	Inclusion in the Program
12/10/2020	BDRs	BEEM39	Inclusion in the Program
12/10/2020	BDRs	BEFA39	Inclusion in the Program
12/10/2020	BDRs	BEGD39	Inclusion in the Program
12/10/2020	BDRs	BEGE39	Inclusion in the Program
12/10/2020	BDRs	BEGU39	Inclusion in the Program
12/10/2020	BDRs	BEWG39	Inclusion in the Program
12/10/2020	BDRs	BEWH39	Inclusion in the Program
12/10/2020	BDRs	BEWJ39	Inclusion in the Program

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFs


Date	Product	Asset	Amendment
12/10/2020	BDRs	BEWP39	Inclusion in the Program
12/10/2020	BDRs	BEWT39	Inclusion in the Program
12/10/2020	BDRs	BEWU39	Inclusion in the Program
12/10/2020	BDRs	BEWW39	Inclusion in the Program
12/10/2020	BDRs	BEWY39	Inclusion in the Program
12/10/2020	BDRs	BEWZ39	Inclusion in the Program
12/10/2020	BDRs	BEZU39	Inclusion in the Program
12/10/2020	BDRs	BIAU39	Inclusion in the Program
12/10/2020	BDRs	BIBB39	Inclusion in the Program
12/10/2020	BDRs	BIEF39	Inclusion in the Program
12/10/2020	BDRs	BIEM39	Inclusion in the Program
12/10/2020	BDRs	BIEU39	Inclusion in the Program
12/10/2020	BDRs	BIGF39	Inclusion in the Program
12/10/2020	BDRs	BIJH39	Inclusion in the Program
12/10/2020	BDRs	BIJR39	Inclusion in the Program
12/10/2020	BDRs	BILF39	Inclusion in the Program
12/10/2020	BDRs	BITO39	Inclusion in the Program
12/10/2020	BDRs	BIVB39	Inclusion in the Program
12/10/2020	BDRs	BIWM39	Inclusion in the Program
12/10/2020	BDRs	BIXJ39	Inclusion in the Program
12/10/2020	BDRs	BIXN39	Inclusion in the Program
12/10/2020	BDRs	BIYF39	Inclusion in the Program
12/10/2020	BDRs	BIYW39	Inclusion in the Program
12/10/2020	BDRs	BNDA39	Inclusion in the Program
12/10/2020	BDRs	BPRS39	Inclusion in the Program
12/10/2020	BDRs	BSLV39	Inclusion in the Program
12/10/2020	BDRs	BUSM39	Inclusion in the Program
12/10/2020	BDRs	BXTC39	Inclusion in the Program
11/13/2020	BDRs	A1BB34	Inclusion in the Program
11/13/2020	BDRs	A1CR34	Inclusion in the Program
11/13/2020	BDRs	A1EG34	Inclusion in the Program
11/13/2020	BDRs	A1LN34	Inclusion in the Program
11/13/2020	BDRs	A1MX34	Inclusion in the Program

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFS


Date	Product	Asset	Amendment
11/13/2020	BDRs	A1RG34	Inclusion in the Program
11/13/2020	BDRs	A1SN34	Inclusion in the Program
11/13/2020	BDRs	A1TH34	Inclusion in the Program
11/13/2020	BDRs	A1UA34	Inclusion in the Program
11/13/2020	BDRs	A1YX34	Inclusion in the Program
11/13/2020	BDRs	A1ZN34	Inclusion in the Program
11/13/2020	BDRs	B1AM34	Inclusion in the Program
11/13/2020	BDRs	B1BL34	Inclusion in the Program
11/13/2020	BDRs	B1CS34	Inclusion in the Program
11/13/2020	BDRs	B1GN34	Inclusion in the Program
11/13/2020	BDRs	B1IL34	Inclusion in the Program
11/13/2020	BDRs	B1NT34	Inclusion in the Program
11/13/2020	BDRs	B1PP34	Inclusion in the Program
11/13/2020	BDRs	B1SA34	Inclusion in the Program
11/13/2020	BDRs	B1TI34	Inclusion in the Program
11/13/2020	BDRs	C1AB34	Inclusion in the Program
11/13/2020	BDRs	C1DW34	Inclusion in the Program
11/13/2020	BDRs	C1EO34	Inclusion in the Program
11/13/2020	BDRs	C1GP34	Inclusion in the Program
11/13/2020	BDRs	C1HI34	Inclusion in the Program
11/13/2020	BDRs	C1HL34	Inclusion in the Program
11/13/2020	BDRs	C1HT34	Inclusion in the Program
11/13/2020	BDRs	C1OU34	Inclusion in the Program
11/13/2020	BDRs	C1RR34	Inclusion in the Program
11/13/2020	BDRs	C1SU34	Inclusion in the Program
11/13/2020	BDRs	C1TV34	Inclusion in the Program
11/13/2020	BDRs	D1DG34	Inclusion in the Program
11/13/2020	BDRs	D1EX34	Inclusion in the Program
11/13/2020	BDRs	D1OC34	Inclusion in the Program
11/13/2020	BDRs	D1OW34	Inclusion in the Program
11/13/2020	BDRs	E1CO34	Inclusion in the Program
11/13/2020	BDRs	E1DU34	Inclusion in the Program
11/13/2020	BDRs	E1NI34	Inclusion in the Program

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRS AND ETFS


Date	Product	Asset	Amendment
11/13/2020	BDRs	E1QN34	Inclusion in the Program
11/13/2020	BDRs	E1RI34	Inclusion in the Program
11/13/2020	BDRs	F1SL34	Inclusion in the Program
11/13/2020	BDRs	G1DS34	Inclusion in the Program
11/13/2020	BDRs	G1FI34	Inclusion in the Program
11/13/2020	BDRs	G1LP34	Inclusion in the Program
11/13/2020	BDRs	G1SK34	Inclusion in the Program
11/13/2020	BDRs	H1DB34	Inclusion in the Program
11/13/2020	BDRs	H1EI34	Inclusion in the Program
11/13/2020	BDRs	H1SB34	Inclusion in the Program
11/13/2020	BDRs	H1TH34	Inclusion in the Program
11/13/2020	BDRs	H1ZN34	Inclusion in the Program
11/13/2020	BDRs	I1AC34	Inclusion in the Program
11/13/2020	BDRs	I1BN34	Inclusion in the Program
11/13/2020	BDRs	I1EX34	Inclusion in the Program
11/13/2020	BDRs	I1FO34	Inclusion in the Program
11/13/2020	BDRs	I1HG34	Inclusion in the Program
11/13/2020	BDRs	I1QY34	Inclusion in the Program
11/13/2020	BDRs	I1XC34	Inclusion in the Program
11/13/2020	BDRs	K1BF34	Inclusion in the Program
11/13/2020	BDRs	K1TC34	Inclusion in the Program
11/13/2020	BDRs	L1BT35	Inclusion in the Program
11/13/2020	BDRs	L1DO34	Inclusion in the Program
11/13/2020	BDRs	L1FC34	Inclusion in the Program
11/13/2020	BDRs	L1VS34	Inclusion in the Program
11/13/2020	BDRs	L1YG34	Inclusion in the Program
11/13/2020	BDRs	L1YV34	Inclusion in the Program
11/13/2020	BDRs	LSXM35	Inclusion in the Program
11/13/2020	BDRs	M1BT34	Inclusion in the Program
11/13/2020	BDRs	M1DB34	Inclusion in the Program
11/13/2020	BDRs	M1KT34	Inclusion in the Program
11/13/2020	BDRs	M1LC34	Inclusion in the Program
11/13/2020	BDRs	M1RN34	Inclusion in the Program

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFs


Date	Product	Asset	Amendment
11/13/2020	BDRs	M1TC34	Inclusion in the Program
11/13/2020	BDRs	M1UF34	Inclusion in the Program
11/13/2020	BDRs	N1BI34	Inclusion in the Program
11/13/2020	BDRs	N1GG34	Inclusion in the Program
11/13/2020	BDRs	N1IC34	Inclusion in the Program
11/13/2020	BDRs	N1OW34	Inclusion in the Program
11/13/2020	BDRs	N1VO34	Inclusion in the Program
11/13/2020	BDRs	N1VS34	Inclusion in the Program
11/13/2020	BDRs	N1WG34	Inclusion in the Program
11/13/2020	BDRs	N1WS35	Inclusion in the Program
11/13/2020	BDRs	O1DF34	Inclusion in the Program
11/13/2020	BDRs	O1KT34	Inclusion in the Program
11/13/2020	BDRs	O1TI34	Inclusion in the Program
11/13/2020	BDRs	P1DD34	Inclusion in the Program
11/13/2020	BDRs	P1KX34	Inclusion in the Program
11/13/2020	BDRs	P1UK34	Inclusion in the Program
11/13/2020	BDRs	P1YC34	Inclusion in the Program
11/13/2020	BDRs	R1DY34	Inclusion in the Program
11/13/2020	BDRs	R1EL34	Inclusion in the Program
11/13/2020	BDRs	R1KU34	Inclusion in the Program
11/13/2020	BDRs	R1YA34	Inclusion in the Program
11/13/2020	BDRs	RDSA35	Inclusion in the Program
11/13/2020	BDRs	S1BS34	Inclusion in the Program
11/13/2020	BDRs	S1GE34	Inclusion in the Program
11/13/2020	BDRs	S1KM34	Inclusion in the Program
11/13/2020	BDRs	S1MF34	Inclusion in the Program
11/13/2020	BDRs	S1NN34	Inclusion in the Program
11/13/2020	BDRs	S1PL34	Inclusion in the Program
11/13/2020	BDRs	S1RP34	Inclusion in the Program
11/13/2020	BDRs	S1SN34	Inclusion in the Program
11/13/2020	BDRs	S1TE34	Inclusion in the Program
11/13/2020	BDRs	T1AL34	Inclusion in the Program
11/13/2020	BDRs	T1AM34	Inclusion in the Program

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFs


Date	Product	Asset	Amendment
11/13/2020	BDRs	T1CH34	Inclusion in the Program
11/13/2020	BDRs	T1EV34	Inclusion in the Program
11/13/2020	BDRs	T1LK34	Inclusion in the Program
11/13/2020	BDRs	T1SS34	Inclusion in the Program
11/13/2020	BDRs	T1WL34	Inclusion in the Program
11/13/2020	BDRs	U1NL34	Inclusion in the Program
11/13/2020	BDRs	V1IP34	Inclusion in the Program
11/13/2020	BDRs	V1OD34	Inclusion in the Program
11/13/2020	BDRs	W1BK34	Inclusion in the Program
11/13/2020	BDRs	W1BO34	Inclusion in the Program
11/13/2020	BDRs	W1IX34	Inclusion in the Program
11/13/2020	BDRs	W1MG34	Inclusion in the Program
11/13/2020	BDRs	W1PP34	Inclusion in the Program
11/13/2020	BDRs	W1RB34	Inclusion in the Program
11/13/2020	BDRs	W1SO34	Inclusion in the Program
11/13/2020	BDRs	Z1BR34	Inclusion in the Program
11/13/2020	BDRs	Z1OM34	Inclusion in the Program
11/13/2020	BDRs	Z1TO34	Inclusion in the Program
10/01/2020	BDRs	E1TF34	Delisted
08/11/2020	BDRs	CHKE34	Delisted
08/11/2020	BDRs	JCPC34	Delisted
06/18/2020	Stocks	BRML3	Maximum spread was 0.5% and changed to 0.75%
06/18/2020	Stocks	USIM5	Maximum spread was 0.75% and changed to 1.25% Minimum quantity was 60,000 and changed to 70,000
06/18/2020	Stocks	CIEL3	Maximum spread was 0.75% and changed to 1.5% Minimum quantity was 40,000 and changed to 80,000
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

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFs


Date	Product	Asset	Amendment
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
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

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFs


Date	Product	Asset	Amendment
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
01/27/2020	BDRs	P1PG34	Inclusion in the Program

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFS


Date	Product	Asset	Amendment
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

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFS


Date	Product	Asset	Amendment
01/27/2020	BDRs	C1MA34	Inclusion in the Program
01/27/2020	BDRs	C1MI34	Inclusion in the Program
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

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFS


Date	Product	Asset	Amendment
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
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

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFS


Date	Product	Asset	Amendment
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
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

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFS


Date	Product	Asset	Amendment
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
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

MARKET MAKER PROGRAM AMENDMENTS - STOCKS, BDRs AND ETFS


Date	Product	Asset	Amendment
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
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

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Date	Product	Asset	Amendment
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
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

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