

## Messaging Efficiency Program Product Group Additions

Sector	Product Group Code	Product Group Description	Tier #3 Ratio	Tier #2 Ratio	Tier #1 Ratio
Commodity	KE	KC HRW Wheat Futures & Spreads	150:1	100:1	50:1
Commodity	OC	Corn Options	300:1	200:1	100:1
Commodity	SQ	Soybean Options	300:1	200:1	100:1
Commodity	OW	Wheat Options	300:1	200:1	100:1
Livestock	F0	Feeder Cattle Options	300:1	200:1	100:1
Livestock	L0	Live Cattle Options	300:1	200:1	100:1
Livestock	0H	Lean Hog Options	300:1	200:1	100:1
Currency	ZA	Australian Dollar Options (American Style)	300:1	200:1	100:1
Currency	XA	Australian Dollar Options (European Style)	300:1	200:1	100:1
Currency	XB	British Pound Options (American Style)	300:1	200:1	100:1
Currency	YB	British Pound Options (European Style)	300:1	200:1	100:1
Currency	XD	Canadian Dollar Options (American Style)	300:1	200:1	100:1
Currency	CD	Canadian Dollar Options (European Style)	300:1	200:1	100:1
Currency	XT	Euro FX Options (American Style)	300:1	200:1	100:1
Currency	XE	Euro FX Options (European Style)	300:1	200:1	100:1
Currency	XJ	Japanese Yen Options (American Style)	300:1	200:1	100:1
Currency	QJ	Japanese Yen Options (European Style)	300:1	200:1	100:1
Currency	XS	Swiss Franc Options (American Style)	300:1	200:1	100:1
Currency	YS	Swiss Franc Options (European Style)	300:1	200:1	100:1
Interest Rates	ZE	Eurodollar Options	300:1	200:1	100:1
Interest Rates	E0, E2, E3, E4, E5	Eurodollar Midcurve Options	300:1	200:1	100:1

Interest Rates	N2	2 Year Treasury Note Options	300:1	200:1	100:1
Interest Rates	0N	5 Year Treasury Note Options	300:1	200:1	100:1
Interest Rates	TE	10 Year Treasury Note Options	300:1	200:1	100:1
Interest Rates	UZ	30 Year Treasury Note Options	300:1	200:1	100:1
Interest Rates	UB	Ultra Bond Options	300:1	200:1	100:1
Energy	LO	Crude Oil Options	300:1	200:1	100:1
Energy	OH	NY Harbor ULSD Options	300:1	200:1	100:1
Energy	OB	RBOB Gasoline Options	300:1	200:1	100:1
Energy	OT	Brent Crude Oil Options	300:1	200:1	100:1
Energy	ON	Natural Gas Options	300:1	200:1	100:1
Energy	LG	Natural Gas Euro Options	300:1	200:1	100:1
Metals	OG	Gold Options	300:1	200:1	100:1
Metals	SO	Silver Options	300:1	200:1	100:1
Metals	1U	Copper Options	300:1	200:1	100:1