



The option class listed below will begin trading on the MIAX Emerald Exchange at the start of trading on **Friday, March 1, 2019**.

Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	PLMM	Cloud
IBM	International Business Machines Corporation	IBM	Index Link	STO	Yes	Pro-Rata	Maker-Taker	NYSE	4:00	Susquehanna Securities	5

Please contact MIAX Options Listings with any questions.

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