

**Alternative Trading Systems with Form ATS
on File with the SEC as of December 31, 2019**

Full Name of Alternative Trading System (as provided in item 1.A. of Form ATS)	Name(s) Under Which Business Is Conducted (as provided in item 1.B. of Form ATS)	City and State of Alternative Trading System (as provided in item 1.F. of Form ATS)
American Ledger ATS	American Ledger ATS LLC	Moorpark, CA
Arbor Research and Trading LLC	Clarity BidRate Alternative Trading System	Barrington, IL
Automated Equity Finance Markets, Inc.	AQS, EquiLend Clearing Services (ECS)	New York, NY
AX Trading, LLC		New York, NY
BGC Financial L.P.		New York, NY
BrokerTec	BrokerTec Americas LLC	New York, NY
Coinbase Securities		New York, NY
Creditex Securities Corporation	ICE BondPoint	New York, NY
Creditex Securities Corporation	ICE Credit Trade	New York, NY
Dash ATS		Chicago, IL
DBOT ATS, LLC		Wilmington, DE
DBVX		New York, NY
Dealerweb, Inc.	Dealerweb	Jersey City, NJ
Distributed Technology Markets ATS	DTM ATS	New York, NY
Elixium NA	Elixium NA, DBA of TFS Derivatives, LLC	New York, NY
EquiLend LLC		New York, NY
EQX LLC		New York, NY
FixCenter, LLC		Long Island City, NY
FNC AG Stock, LLC		Grand Forks, ND
GFI Securities LLC	CreditMatch (LATG)	New York, NY
GFI Securities LLC		New York, NY
GFI Securities LLC	FENICS Delta X (FNIX)	New York, NY
GLMX Technologies, LLC		New York, NY
Global OTC	Archipelago Trading Services, Inc.	Chicago, IL
HTDonline	Hartfield, Titus & Donnelly, LLC	Jersey City, NJ
ICAP Trading Systems	ICAP Corporates LLC	New York, NY
IDX Markets	IDX Markets, LLC	New York, NY
Interactive Brokers LLC	IBKR ATS	Greenwich, CT
IOI Capital and Markets, LLC	iownit.us	Houston, TX
Lending Club Trading Market	Folio Investments, Inc.	McLean, VA
Liquidnet Fixed Income ATS		New York, NY
Maps ECN	Marco Polo Securities Inc.	New York, NY
MarketAxess ATS	Live Markets	New York, NY
MBS Source eTrading, Inc.	MBS Marketplace; MBS eTrading	Mercer Island, WA
MTS BondsPro		New York, NY
MuniAxis ATS		Wellesley, MA
Nasdaq Fixed Income	Execution Access, LLC	New York, NY

NPM Securities, LLC		New York, NY
NXP	Dash Financial Technologies LLC	Chicago, IL
OTC Link ECN		New York, NY
OTC Link LLC	OTC Link ATS	New York, NY
PRO Securities, LLC		New York, NY
REALCADRE LLC		New York, NY
Rialto Trading Network LLC		New York, NY
Sageworks Capital, LLC	CFX Markets and OpenFinance Network	New York, NY
SI Securities, LLC	SeedInvest	New York, NY
SharesPost Financial Corporation		San Francisco, CA
Spread Zero LLC	Spread Zero or Spread Zero ATS	New York, NY
Structured Credit Connection		New York, NY
Templum Markets LLC	Templum Markets	New York, NY
TMC Bonds, LLC		New York, NY
TP Trading Systems	Tullet Prebon Financial Services LLC	New York, NY
Tradeweb Direct LLC	Tradeweb Direct	New York, NY
Trumid ATS		New York, NY
Variable Investment Advisors, Inc. ATS (VIA-ATS)	www.AGSTOCKTRADE.COM, www.LIQUIDITYMAKER.COM	Sioux Falls, SD
Zanbato ATS	ZX	Mountain View, CA

Ceased Operations

Full Name of Alternative Trading System (as provided in item 1.A. of Form ATS)	Name(s) Under Which Business Is Conducted (as provided in item 1.B. of Form ATS)	City and State of Alternative Trading System (as provided in item 1.F. of Form ATS)
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