

**Alternative Trading Systems with Form ATS  
on File with the SEC as of June 30, 2019**

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

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|---|---|-------------------|
| 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.<br>ATS (VIA-ATS) | www.AGSTOCKTRADE.COM,<br>www.LIQUIDITYMAKER.COM | Sioux Falls, SD   |
| Venovate Marketplace Inc.                           |   | Cardiff, CA       |
| 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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