



OTC Transparency (ATS and Non-ATS)

API Specifications File Download

August 28, 2018

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Introduction

As announced in Regulatory Notice [14-07](#), on January 17, 2014, the SEC approved a proposed rule change to (i) adopt FINRA Rule 4552 to require each ATS to report to FINRA weekly equity volume information and number of securities transactions within the ATS (ATS reporting requirement); and (ii) amend FINRA Rules 6160, 6170, 6480 and 6720 to require each ATS to acquire and use a single, unique MPID when reporting information to FINRA (MPID requirement). As part of these requirements, FINRA makes the reported volume and trade count information for equity securities publicly available on its website as described below.

FINRA publishes on its website the reported information in each equity security for each ATS for each week. FINRA publishes the aggregate reported information regarding NMS stocks in Tier 1 of the NMS Plan to Address Extraordinary Market Volatility on a two-week delayed basis. FINRA publishes the information on all other NMS stocks and OTC Equity Securities subject to FINRA trade reporting requirements on a four-week delayed basis.

As announced in Regulatory Notice [2015-48](#) the SEC approved a proposed rule change to amend Rules 6110 and 6610 to expand the transparency initiative by publishing Non-ATS OTC equity volume.

FINRA publishes on its website the reported information in each equity security for each Non-ATS that meets the volume threshold¹ or as an aggregated “De minimis Firms” calculation for each week or month. FINRA publishes the aggregate reported information regarding NMS stocks in Tier 1 of the NMS Plan to Address Extraordinary Market Volatility on a two-week delayed basis. FINRA publishes the information on all other NMS stocks and OTC Equity Securities subject to FINRA trade reporting requirements on a four-week delayed basis. FINRA publishes monthly OTC Non-ATS data on a one month delay publishing on the first Monday (or next business day) of the following month. Beginning on April 25, 2016 weekly reports will be published and monthly reports will begin on June 6, 2016.

Information regarding specific questions about OTC Transparency reporting and publication can be found in the OTC Transparency section of the FINRA Website available at: <http://www.finra.org/OTC-Transparency>.

¹ Trading Information for firms with “de minimis” OTC equity volume outside of an ATS, i.e., on average fewer than 200 transactions per day across all securities during the applicable Trading Information period, is aggregated and published on a non-attributed basis. In addition, Trading Information is further aggregated for member firms that have executed on average fewer than 200 transactions per day in a given security during the applicable Trading Information period. For the weekly non-ATS data, the de minimis threshold is calculated separately for Tier 1 NMS stocks, other NMS stocks and OTC Equity Securities, and for the monthly non-ATS data, the de minimis threshold is calculated separately for NMS stocks (not broken down by tier) and OTC Equity Securities.

As announced in Regulatory Notice [2016-14](#) the SEC approved a proposed rule change to amend Rule 6110 to expand the transparency initiative by publishing ATS Block equity volume in NMS stocks. FINRA will expand the ATS Transparency initiative by publishing ATS Block Data. The ATS Block Data is aggregated ATS trade data in NMS stocks that meets certain share based and dollar based thresholds and is reported by member firms to the FINRA equity trade reporting facilities (i.e., the Alternative Display Facility and the FINRA Trade Reporting Facilities). The data will be aggregated across all NMS stocks on a monthly basis and will be able to be filtered by ATS. ATS Block data will be available on a one month delay, publishing on the first Monday (or next business day) of the following month. Beginning on Monday, October 3, 2016, the monthly reports will be published.

Automation of Download

The ATS Transparency file download process may be automated by firms using the following instructions effective beginning on November 5, 2018.

NOTE: Automation instructions that may have been in use prior to November 5, 2018 will no longer be supported. In addition, column names were changed, and the order in which the columns are displayed in the download files was changed.

Machine-download Instructions:

Firms may use their preferred method to access the data programmatically. Curl and Postman are used purely for purposes of illustrations in this document, FINRA neither limits nor guides firms on how to access the data programmatically.

Using CURL to Retrieve Filtered Weekly Summary Data

POST Query

The query lists an example of NMS Tier 1 data for the weekly summary, but any dataset column can be filtered. A similar command can be used to retrieve monthly report or block trade data. Data is returned in either CSV or JSON format. Outputs of CURL can be written to a file, and these CURL commands can be executed sequentially as part of a batch process if so desired.

JSON Output

The following command enables one to filter Tier 1 data. It requests JSON output.

```
curl -L
-d '{ "compareFilters": [ { "compareType": "EQUAL", "fieldName": "tieridentifier",
  "fieldValue": "T1" } ] , "limit": 5 } '
-H "Content-Type: application/json"
-H "Accept: application/json"
-X POST https://api.finra.org/data/group/otcMarket/name/weeklySummary
```

JSON data format example

```
[
{"issuesymbolidentifier": "PGX", "product": "CTS", "firmcrdnumber": null, "summarytype": "ATS_W_SMBL", "traderepor
tstartdate": "2018-06-25", "totalsharequantitysum": 783170, "marketparticipantidentifier": null,
"tieridentifier": "T1", "totaltradecountsum": 1425, "issuename": "Invesco Preferred
ETF", "marketparticipantname": null, "weekstartdate": "2018-06-25"},
{"issuesymbolidentifier": "BKLN", "product": "CTS", "firmcrdnumber": null, "summarytype": "ATS_W_SMBL", "traderepo
rtstartdate": "2018-06-25", "totalsharequantitysum": 7472667, "marketparticipantidentifier": null,
"tieridentifier": "T1", "totaltradecountsum": 12879, "issuename": "Invesco Senior Loan
ETF", "marketparticipantname": null, "weekstartdate": "2018-06-25"},
{"issuesymbolidentifier": "SJNK", "product": "CTS", "firmcrdnumber": null, "summarytype": "ATS_W_SMBL", "traderepo
rtstartdate": "2018-06-25", "totalsharequantitysum": 1225092, "marketparticipantidentifier": null,
"tieridentifier": "T1", "totaltradecountsum": 2926, "issuename": "SPDR Bloomberg Barclays Short Term High
Yield Bond ETF", "marketparticipantname": null, "weekstartdate": "2018-06-25"},
{"issuesymbolidentifier": "XBI", "product": "CTS", "firmcrdnumber": null, "summarytype": "ATS_W_SMBL", "traderepo
rtstartdate": "2018-06-25", "totalsharequantitysum": 1890904, "marketparticipantidentifier": null,
"tieridentifier": "T1", "totaltradecountsum": 11824, "issuename": "SPDR S&P Biotech
ETF", "marketparticipantname": null, "weekstartdate": "2018-06-25"},
{"issuesymbolidentifier": "SNV", "product": "CTS", "firmcrdnumber": null,
"summarytype": "ATS_W_SMBL", "tradereportstartdate": "2018-06-
25", "totalsharequantitysum": 490908, "marketparticipantidentifier": null, "tieridentifier": "T1", "totaltrade
countsum": 3806, "issuename": "Synovus Financial Corp.", "marketparticipantname": null,
"weekstartdate": "2018-06-25"}]
```

```
]
```

CSV Output

The following command enables one to filter Tier 1 data. It requests default (CSV) output.

```
curl -L
-d '{ "compareFilters": [ { "compareType": "EQUAL", "fieldName": "tieridentifier",
  "fieldValue": "T1" } ] }, {"limit":5 } '
-H "Content-Type: application/json"
-X POST https://api.finra.org/data/group/otcMarket/name/weeklySummary
```

CSV data format example

```
"issuesymbolidentifier","issuename","firmcrdnumber","marketparticipantidentifier","marketparticipantname",
"tieridentifier","tradereportstartdate","totaltradecountsum","totalsharequantitysum","product","s
ummarytype","weekstartdate"
"PGX","Invesco Preferred ETF",,,,,"T1","2018-06-25","1425","783170","CTS","ATS_W_SMBL","2018-06-25"
"BKLN","Invesco Senior Loan ETF",,,,,"T1","2018-06-25","12879","7472667","CTS","ATS_W_SMBL","2018-06-25"
"SJNK","SPDR Bloomberg Barclays Short Term High Yield Bond ETF",,,,,"T1","2018-06-
25","2926","1225092","CTS","ATS_W_SMBL","2018-06-25"
"XBI","SPDR S&P Biotech ETF",,,,,"T1","2018-06-25","11824","1890904","CTS","ATS_W_SMBL","2018-06-25"
"SNV","Synovus Financial Corp.",,,,,"T1","2018-06-25","3806","490908","CTS","ATS_W_SMBL","2018-06-25"
```

Using Postman IDE to Retrieve Filtered Weekly Summary Data

An IDE such as Postman can be used to retrieve data. The Content-Type and Accept headers should be set to either JSON or text in the IDE. The following payload must be submitted to

<https://api.finra.org/data/group/otcMarket/name/weeklySummary>.

```
{
  "compareFilters": [ { "compareType": "equal", "fieldName": "tieridentifier", "fieldValue": "T1" } ],
  "limit":5
}
```

Similarly, one may submit a payload to the monthly or the block summary URL.

JSON Output

```
[
{"issuesymbolidentifier":"PGX","product":"CTS","firmcrdnumber":null,"summarytype":"ATS_W_SMBL","traderepo
rtstartdate":"2018-06-25","totalsharequantitysum":783170,"marketparticipantidentifier":null,
"tieridentifier":"T1","totaltradecountsum":1425,"issuename":"Invesco Preferred
ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"BKLN","product":"CTS","firmcrdnumber":null,"summarytype":"ATS_W_SMBL","traderepo
rtstartdate":"2018-06-25","totalsharequantitysum":1225092,"marketparticipantidentifier":null,
"tieridentifier":"T1","totaltradecountsum":12879,"issuename":"Invesco Senior Loan
ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"SJNK","product":"CTS","firmcrdnumber":null,"summarytype":"ATS_W_SMBL","traderepo
rtstartdate":"2018-06-25","totalsharequantitysum":11824,"issuename":"SPDR S&P Biotech
ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"XBI","product":"CTS","firmcrdnumber":null,"summarytype":"ATS_W_SMBL","traderepo
rtstartdate":"2018-06-25","totalsharequantitysum":490908,"marketparticipantidentifier":null,
"tieridentifier":"T1","totaltradecountsum":3806,"issuename":"Synovus Financial
Corp.", "marketparticipantname":null,"weekstartdate":"2018-06-25"}
]
```

CSV Output

```
"issuesymbolidentifier","issuename","firmcrdnumber","marketparticipantidentifier","marketparticipantname",
"tieridentifier","tradereportstartdate","totaltradecountsum","totalsharequantitysum","product","s
ummarytype","weekstartdate"
"PGX","Invesco Preferred ETF",,,,,"T1","2018-06-25","1425","783170","CTS","ATS_W_SMBL","2018-06-25"
"BKLN","Invesco Senior Loan ETF",,,,,"T1","2018-06-25","12879","7472667","CTS","ATS_W_SMBL","2018-06-25"
```

```
"SJNK","SPDR Bloomberg Barclays Short Term High Yield Bond ETF",,,,"T1","2018-06-25","2926","1225092","CTS","ATS_W_SMBL","2018-06-25"
"XBI","SPDR S&P Biotech ETF",,,,"T1","2018-06-25","11824","1890904","CTS","ATS_W_SMBL","2018-06-25"
"SNV","Synovus Financial Corp.",,,,"T1","2018-06-25","3806","490908","CTS","ATS_W_SMBL","2018-06-25"
```

File Availability

Files will be available to users via download. Weekly files and updates to previously published files will be published and available for download no earlier than 6:00 AM E.T. on business days.

Users may attempt to access the files on non-business days; however, due to server maintenance which occurs on weekends and other non-business days it is possible that the user will not have immediate success in accessing the data during these days.

File Definition

OTC (Non-ATS) Transparency File Download

Weekly Summaries

| name | description | type |
|-----------------------------|--|--------|
| issueSymbolIdentifier | Assigned by the NASDAQ listing market and ACT Symbol for Other Exchange Listed (NMS stocks), or by FINRA (OTCE securities). Suffix is separated from root symbol with a special character | String |
| issueName | Company name associated with the Symbol | String |
| firmCrdNumber | Firm CRD Number | Number |
| marketParticipantIdentifier | ATS/OTC identifier | String |
| marketParticipantName | Company name of the ATS/OTC or De Minimis Firm | String |
| tierIdentifier | T1: NMS Tier 1 - Securities included in the S&P 500, Russell 1000 and selected exchange-traded products; T2: NMS Tier 2 - All other NMS stocks; OTCE: All Over-the-Counter equity securities | String |
| tradeReportStartDate | Report Start Date (Monday) | String |
| totalTradeCountSum | Aggregate weekly total number of trades reported by each ATS for the Symbol | Number |
| totalShareQuantitySum | Aggregate weekly total number of shares reported by each ATS for the Symbol | Number |

| name | description | type |
|-----------------|---|--------|
| productTypeCode | Product Type | String |
| summarytypeCode | Summary Type Identifier (OTC_ W_ FIRM: OTC Weekly Firm, OTC_ W_ SMBL: OTC Weekly Symbol, OTC_ W_ SMBL_ FIRM: OTC Weekly Symbol Firm, OTC_ W_ VOL_ STATS: OTC Volume Statistics, ATS_ W_ Firm: ATS Weekly Firm, ATS_ W_ SMBL: ATS Weekly Symbol, ATS_ W_ SMBL_ FIRM: ATS Weekly Symbol Firm, ATS_ W_ VOL_ STATS: ATS Volume Statistics) | String |
| weekStartDate | Partition Key - the first business day of the week (Monday) | String |
| lastUpdateDate | Most recent date on which total trades is updated based on data received from each ATS/OTC | String |

Monthly Summaries

| name | description | type |
|-----------------------------|---|--------|
| issueSymbolIdentifier | Assigned by the NASDAQ listing market and ACT Symbol for Other Exchange Listed (NMS stocks), or by FINRA (OTCE securities). Suffix is separated from root symbol with a special character | String |
| issueName | Company name associated with the Symbol | String |
| firmCrdNumber | Firm CRD Number | Number |
| marketParticipantIdentifier | ATS/OTC identifier | String |
| marketParticipantName | Company name of the ATS/OTC or De Minimis Firm | String |
| tierIdentifier | NMS: NMS stocks; OTC: All Over-the-Counter equity securities | String |
| tradeReportStartDate | Report Start Date (First of the month) | String |
| totalTradeCountSum | Aggregate weekly total number of trades reported by each ATS for the Symbol | Number |
| totalShareQuantitySum | Aggregate weekly total number of shares reported by each ATS for the Symbol | Number |
| productTypeCode | Product Type | String |

| name | description | type |
|-----------------|---|--------|
| summaryTypeCode | Summary Type Identifier enum (OTC_ M_ FIRM: OTC Monthly Firm, OTC_ M_ SMBL: OTC Monthly Symbol, OTC_ M_ SMBL_ FIRM: OTC Monthly Symbol Firm, OTC_ M_ VOL_ STATS: OTC Monthly Volume Stats) | String |
| monthStartDate | Partition Key - the first business day of the month | String |
| lastUpdateDate | Most recent date on which total trades is updated based on data received from each ATS/OTC | String |

ATS Blocks Summaries

| name | description | type |
|--------------------------------|---|--------|
| atsMarketparticipantIdentifier | ATS MPID | String |
| atsName | ATS Company name | String |
| tradeReportStartDate | Report Start Date (First of the month) | String |
| totalTradeCount | Total of all ATS trades (block and non-block) by ATS MPID. | Number |
| totalShareQuantity | Total of all ATS shares traded (block and non-block) by ATS MPID. | Number |
| averageTradeSize | Based on the total of all ATS trades and shares traded (block and non-block) by ATS MPID. | Number |
| averageTradeSizeRank | Rank of ATS Average Trade Size per ATS as compared to all other ATS MPIDs Average Trade Sizes. | Number |
| atsTradeRank | Rank of ATS Trades Market Share per ATS MPID as compared to all other ATS MPIDs Market Share Trades (block and non-block). | Number |
| atsShareRank | Rank of ATS Shares traded Market Share per ATS MPID as compared to all other ATS MPIDs Market Share of Shares Traded (block and non-block). | Number |
| atsTradePercent | Percentage of ATS Total Trades of the Grand Total of all ATS Trades by ATS MPID. | Number |
| atsSharePercent | Percentage of ATS Total Shares of the Grand Total of all ATS Shares by ATS MPID. | Number |

| name | description | type |
|------------------------------|--|--------|
| atsBlockCount | Total ATS block counts | Number |
| atsBlockQuantity | Total ATS block share quantities | Number |
| averageBlockSize | Based on the total of ATS Block trades and shares traded by ATS MPID. | Number |
| averageBlockSizeRank | Rank of ATS Average Block Trade Size per ATS MPID as compared to all other ATS MPIDs Average Block Trade Sizes. | Number |
| atsBlockTradeRank | Rank of ATS Block Trade Market Share per ATS MPID as compared to all other ATS MPIDs Block Trades. | Number |
| atsBlockShareRank | Rank of ATS Block Market Share per ATS MPID as compared to all other ATS MPIDs Market Share of Shares Traded. | Number |
| atsBlockTradePercent | Average Block size Share Count Percentage | Number |
| atsBlockSharePercent | Average Block size Share QuantityPercentage | Number |
| atsBlockBusinessTradePercent | Percentage of ATS Block Trades of their ATS Total Trades by ATS MPID. | Number |
| atsBlockBusinessSharePercent | Percentage of ATS Block Shares Traded of their ATS Total Shares Traded by ATS MPID. | Number |
| atsBlockBusinessTradeRank | Rank of ATS Block Trade Business Share per ATS MPID as compared to all other ATS MPIDs Block Trades Business Share. | Number |
| atsBlockBusinessShareRank | Rank of ATS Block Shares Traded Market Share per ATS MPID as compared to all other ATS MPIDs Block Shares Traded Business Share. | Number |
| summaryTypeCode | Summary Type 2K 2K to <10K 10K 10K+ Shares 200K \$200K+ 10K-200K 10K+ - AND - \$200K+ 100K \$100K to <\$200K 2K-100K 2K to <10K AND \$100K to <\$200K | String |
| monthStartDate | Month Start Date | String |

Appendix A: Security Symbol Supplement and Resource Guide

This section serves as a supplemental resource for security and symbol information provided by FINRA.

Reports are published using the NASDAQ assigned listing symbol for UTP securities and the NASDAQ ACT symbol for Other Exchange Listed securities (NMS stocks). Other Exchange Listed security symbols may contain a special character such as “.” or “\$” to separate the root symbol from the suffix. OTCBB and Other-OTC securities may or may not be OATS reportable. The following provide direct links to webpages for security information.

NMS Stocks

[NASDAQ Listed Securities](#)

[Other Exchange Listed Securities](#)

[Suffix Conversion Chart](#)

All Other Securities

FINRA publishes a security symbol which contains security information for all OTCBB issues and other-OTCE securities. A link to the webpage is below;

[Symbol Directory](#)

Appendix B: Revision History

| Version | Date | Changes |
|---------|---------|--|
| 0.1 | 7/1/16 | Initial draft |
| 0.2 | 9/29/16 | Updated with ATS Block file details. |
| 0.3 | 8/28/18 | Updated Data Dictionary Updated Download Automation instructions |