OTC Transparency (ATS and Non-ATS)

API Specifications
File Download

January 16, 2019

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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 threshold[1] 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.

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[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.

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.

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

Machine-download Instructions: effective January 14th 2019

The following instructions for an automated down load of data is **effective on January 14th 2019** The data dictionary provides details about the field names and descriptions for the new machine download calls.

Data Dictionary
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
summaryStartDate	Report Start Date (Monday)	String
totalWeeklyTradeCount	Aggregate weekly total number of trades reported by each ATS for the Symbol	Number
totalWeeklyShareQuantity	Aggregate weekly total number of shares reported by each ATS for the Symbol	Number
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

name	description	type
weekStartDate	Partition Key - the first business day of the week (Monday)	String
lastUpdateDate	Later of the last reported date or the initial publish date. Please see next two column descriptions	Date
initialPublishedDate	The initial publish date is the first Monday or next business day after the reporting delay based on NMS Tier 1 (two week delay), NMS Tier 2 (four week delay) and OTC securities (four week delay)	Date
lastReportedDate	This date represents the last time a firm sent an update to any underlying data that contributes to the aggregate count	Date

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
summaryStartDate	Summary Start Date (First of the month)	String
totalMonthlyTradeCount	Aggregate weekly total number of trades reported by each ATS for the Symbol	Number
totalMonthlyShareQuantity	Aggregate weekly total number of shares reported by each ATS for the Symbol	Number
productTypeCode	Product Type	String

name	description	type
summaryTypeCode	Report 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	Later of the last reported date or the initial publish date. Please see next two column descriptions	Date
initialPublishedDate	This date represents the date of the first publication of the data - the first Monday or next business day of the following month	Date
lastReportedDate	This date represents the last time a firm sent an update to any underlying data that contributes to the aggregate count	Date

ATS Blocks Summaries

name	description	type
MPID	ATS MPID	String
marketParticipantName	ATS Company name	String
summaryStartDate	Summary 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

name	description	type
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
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

name	description	type
summaryTypeCode	Summary Type enumerations - 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
lastUpdateDate	Later of the last reported date or the initial publish date. Please see next two column descriptions	Date
initialPublishedDate	This date represents the date of the first publication of the data - the first Monday or next business day of the following month	Date
lastReportedDate	This date represents the last time a firm sent an update to any underlying data that contributes to the aggregate count	Date

Machine-download Instructions:

The ATS Transparency file download process may be automated by firms using the following instructions.

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, and FINRA neither limits nor guides firms on how to access the data programmatically.

Using CURL to Retrieve Filtered Weekly Report Data

POST Query
The query lists an example of 02-JUL-2018 trade date for the weekly report, but any trade date the client wishes to search can be used. 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","productTypeCode":"CTS","firmcrdnumber":null,"reporttype":"ATS_W_SMBL","sum
    maryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":783170,"marketparticipantidentifier":null,"tieridentifier":"T1","totaltr
    adecountsum":1425,"issuename":"Invesco Preferred
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"BKLN","productTypeCode":"CTS","firmcrdnumber":null,"reporttype":"ATS_W_SMBL","su
    mmaryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":7472667,"marketparticipantidentifier":null,"tieridentifier":"T1","totalt
    radecountsum":12879,"issuename":"Invesco Senior Loan
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"SJNK","productTypeCode":"CTS","firmcrdnumber":null,"reporttype":"ATS_W_SMBL","su
    mmaryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":1225092,"marketparticipantidentifier":null,"tieridentifier":"T1","totalt
    radecountsum":2926,"issuename":"SPDR Bloomberg Barclays Short Term High Yield Bond
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"XBI","productTypeCode":"CTS","firmcrdnumber":null,"reporttype":"ATS_W_SMBL","sum
    maryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":1890904,"marketparticipantidentifier":null,"tieridentifier":"T1","totalt
    radecountsum":11824,"issuename":"SPDR S&P Biotech
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"SNV","productTypeCode":"CTS","firmcrdnumber":null,"reporttype":"ATS_W_SMBL","sum
    maryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":490908,"marketparticipantidentifier":null,"tieridentifier":"T1","totaltr
    adecountsum":3806,"issuename":"Synovus Financial
    Corp.","marketparticipantname":null,"weekstartdate":"2018-06-25"}
]
```

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.dapi.finra.org/data/group/otcMarket/name/weeklySummary
```

CSV data format example

```
"issuesymbolidentifier","issuename","firmcrdnumber","marketparticipantidentifier","marketparticipantname",
        "tieridentifier","summaryStartDate","totaltradecountsum","totalWeeklyShareQuantity","productTypeC
        ode","reporttype","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 Report 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 report URI.

JSON Output

```
[
{"issuesymbolidentifier":"PGX","productTypeCode":"CTS","firmcrdnumber":null,"summaryTypeCode":"ATS_W_SMBL"
    ,"summaryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":783170,"marketparticipantidentifier":null,"tieridentifier":"T1","totaltr
    adecountsum":1425,"issuename":"Invesco Preferred
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"BKLN","productTypeCode":"CTS","firmcrdnumber":null,"summaryTypeCode":"ATS_W_SMBL
    ","summaryStartDate":"2018-06- Weekly Report
    25","totalWeeklyShareQuantity":7472667,"marketparticipantidentifier":null,"tieridentifier":"T1","totalt
    radecountsum":12879,"issuename":"Invesco Senior Loan
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"SJNK","productTypeCode":"CTS","firmcrdnumber":null,"summaryTypeCode":"ATS_W_SMBL
    ","summaryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":1225092,"marketparticipantidentifier":null,"tieridentifier":"T1","totalt
    radecountsum":2926,"issuename":"SPDR Bloomberg Barclays Short Term High Yield Bond
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"XBI","productTypeCode":"CTS","firmcrdnumber":null,"summaryTypeCode":"ATS_W_SMBL"
    ,"summaryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":1890904,"marketparticipantidentifier":null,"tieridentifier":"T1","totalt
    radecountsum":11824,"issuename":"SPDR S&P Biotech
    ETF","marketparticipantname":null,"weekstartdate":"2018-06-25"},
{"issuesymbolidentifier":"SNV","productTypeCode":"CTS","firmcrdnumber":null,"summaryTypeCode":"ATS_W_SMBL"
    ,"summaryStartDate":"2018-06-
    25","totalWeeklyShareQuantity":490908,"marketparticipantidentifier":null,"tieridentifier":"T1","totaltr
    adecountsum":3806,"issuename":"Synovus Financial
    Corp.","marketparticipantname":null,"weekstartdate":"2018-06-25"}
]
```

```
"issueSymbolIdentifier","issueName","firmCRDNumber","MPID","marketParticipantName","tierIdentifier","tierD
        escription","summaryStartDate","totalWeeklyTradeCount","totalWeeklyShareQuantity","productTypeCod
        e","summaryTypeCode","weekStartDate","lastUpdateDate","initialPublishedDate","lastReportedDate"
"FCN","FTI Consulting Inc.",,,,"T2","NMS Tier 2","2015-12-28","682","126279","CTS","OTC_W_SMBL","2015-12-
        28","2016-02-01","2016-02-01","2015-12-31"
"VNR","Vanguard Natural Resources LLC Common Stock",,,,"T2","NMS Tier 2","2015-12-
        28","8941","5652679","UTP","OTC_W_SMBL","2015-12-28","2016-02-01","2016-02-01","2015-12-31"
"GPS","Gap",,,,"T2","NMS Tier 2","2015-12-28","18095","3838393","CTS","OTC_W_SMBL","2015-12-28","2016-02-
        01","2016-02-01","2015-12-31"
"MUSA","Murphy USA Inc.",,,,"T2","NMS Tier 2","2015-12-28","1162","142947","CTS","OTC_W_SMBL","2015-12-
        28","2016-02-01","2016-02-01","2015-12-31"
"ONB","Old National Bancorp - Common Stock",,,,"T2","NMS Tier 2","2015-12-
        28","3743","675330","UTP","OTC_W_SMBL","2015-12-28","2016-02-23","2016-02-01","2016-02-23"
```

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.

Sample Report

ATS Transparency File Download

tierIdentifier|issueSymbolIdentifier|issueName|marketParticipantName|MPID|totalWeeklyShareQuantity|lastUpdateDate|totalWeeklyTradeCount
T1|A|Agilent Technologies Inc.|AQUA AQUA SECURITIES L.P.|AQUA|26400|2018-11-05|2

OTC (Non-ATS) Transparency File Download

tierIdentifier|issueSymbolIdentifier|issueName|marketParticipantName|totalWeeklyShareQuantity|weekStartDate|totalWeeklyTradeCount|lastUpdateDate
T1|A|Agilent Technologies Inc.|CITADEL SECURITIES LLC|162150|2018-10-15|1419|2018-11-05

ATS Blocks File Download

MPID|marketParticipantName|summaryStartDate|totalTradeCount|totalShareQuantity|averageTradeSize|averageTradeSizeRank|ATSTradeRank|ATSShareRank|ATSTradePercent|ATSSharePercent|ATSBlockCount|ATSBlockQuantity|averageBlockSize|averageBlockSizeRank|ATSBlockTradeRank|ATSBlockShareRank|ATSBlockTradePercent|ATSBlockSharePercent|ATSBlockBusinessTradePercent|ATSBlockBusinessSharePercent|ATSBlockBusinessTradeRank|ATSBlockBusinessShareRank|summaryTypeCode|monthStartDate|lastUpdateDate
AQUA|AQUA SECURITIES L.P.|2018-09-01|1012|7268907|7183|8|30|31|0.00|0.05|198|4038850|20398|14|26|26|0.31|0.22|19.57|55.56|8|9|10K|2018-09-01|2018-10-28

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	8/17/18	Updated Data Dictionary Updated Download Automation instructions
0.4	11/09/18	Update release date to Jan 14th 2019, and refined data dictionary and download sections.
0.41	1/16/19	Removed machine download instructions before the Jan 14th 2019 release. Refined data dictionary and download sections post Jan 14th 2019, release.