



**Web API Specifications for the
TRACE Corporate and Agency Debt
File Downloads**

Version 5.1
August 20, 2024

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Revision History

Version	Date	Changes Made
Version 1.0	November 17, 2011	<ul style="list-style-type: none"> Original version of specification
Version 2.0	December 2, 2011	<ul style="list-style-type: none"> File availability - Clarification on historical file availability stated as one rolling year Date examples in query string changed to reflect actual historical file availability
Version 3.0	January 23, 2012	<ul style="list-style-type: none"> DEBT_TYPE_CD changed to eight byte maximum length DSMTN_FL changed to one byte maximum length Participant Daily List - list_dt format changed to MMDDYYYY format Participant Daily List - effective_dt format changed to MMDDYYYY format Participant Daily List - cd_description values changed to: Participant Addition Participant Deletion Participant Change Corporate Bonds/ELN and Agency Debt Closing Report Files - Include Church Bonds (CHRC) as sub product type
Version 4.0	In production July 30, 2012	<ul style="list-style-type: none"> Include a Daily List Timestamp in all Daily List events
Version 4.1	February 1, 2013	<ul style="list-style-type: none"> Changed TRAQS references to TRACE Modified Closing Report descriptions: Today's High Price changed to High Price Today's High Yield changed to High Yield Today's Low Price changed to Low Price Today's Low Yield changed to Low Yield Today's Closing Price changed to Closing Price Today's Closing Yield changed to Closing Yield
Version 4.2	April 25, 2014 (In production June 30, 2014)	<ul style="list-style-type: none"> Added 144A and New 144A Indicator in Corporate and Agency Debt Daily List format Added CLOSCORPELN 144A Closing Report summary query for Corporate Bonds/ELN's classified as 144A securities Added 144A Market Aggregate files
Version 4.3	January 23, 2015 (In production March 2, 2015)	<ul style="list-style-type: none"> DEBT_TYPE_CD field in Corporate and Agency Issue Master File to consist of a combination of the seniority and instrument types and text description.
Version 4.4	April 22, 2015 (In production June 1, 2015)	<ul style="list-style-type: none"> Added US Agreements File
Version 4.5	June 8, 2015 (In production November 2, 2015)	<ul style="list-style-type: none"> Added Market Sentiment File queries and data content layout formats

Version	Date	Changes Made
		<ul style="list-style-type: none"> Restated first Market Breadth queries to be named “Market Breadth Market Close” and stated these will be available at 5:30 p.m. ET Added 6:45 End of Day Market Breadth file queries
Version 4.6	November 16, 2016	<ul style="list-style-type: none"> Added Seniority Type Codes 1LN, 2LN
Version 4.7	December 15, 2016	<ul style="list-style-type: none"> Add Convertible Flag to Security Master and Daily List Remove Fitch Rating heading and data from Most Active Media Print file Include statement regarding changes to values and descriptions in the Appendices
Version 4.8	May 18, 2017	<ul style="list-style-type: none"> Added Seniority Type Code SBN
Version 4.9	October 22, 2018	<ul style="list-style-type: none"> Current day Indices no longer available after October 31, 2018.
Version 4.10	June 29, 2020	<ul style="list-style-type: none"> Updated Debt Type Code description Redefined Appendix 1 Debt Type Code and affiliated description and added new values to the table
Version 4.11	March 6, 2023	<ul style="list-style-type: none"> Added New Foreign Sovereign & Supranational Debt Master file query, which includes new Sub Product SOVN and ISIN number Added New Foreign Sovereign & Supranational Debt Daily List file query, which includes new Sub Product SOVN and ISIN numbers Updated BSYM_ID definition
Version 4.12	June 23, 2023	<ul style="list-style-type: none"> Renamed FSMASTER and DAILYLISTFS to SOVNMASTER and DAILYLISTSOVN
Version 4.12a	October, 2023	<ul style="list-style-type: none"> Added a disclaimer to the Foreign Sovereign & Supranational Debt Security Master Files
Version 5.0	April 29, 2024	<ul style="list-style-type: none"> Removed certificate references and added new M2M API information New string URL – starts with apidownload
Version 5.1	August 20, 2024	<ul style="list-style-type: none"> Added new Requesting a File with an Access Token section Updated username description in Requesting and Access Token section Added an ‘s’ to the http in the Programmatic Access Example

Introduction

The FINRA TRACE Reporting and Quotation Service is a system developed which consolidates the various fixed income and equity reporting facilities FINRA currently maintains (e.g., TRACE, ADF, OTC Equity Reporting, etc...) into a single platform. The secure web interface offers member firms enhanced reporting and data retrieval functionality.

The Download site for Corporate and Agency Debt supports clients via a Web Application Programming Interface (API) to download security master files, daily lists, and market aggregate information.

This document pertains specifically to Corporate and Agency Debt reference data. This document outlines the parameters and values for each available Corporate and Agency Debt file. The data in each of these files is current as of the time of download.

Access to the Download API

Clients who wish to programmatically access the API must request a Refresh Token via the TRAQS Website with their OKTA profile login. This Refresh Token will be used to obtain an Access Token. This Access Token will use a "Bearer Token," which will allow clients to request the API files without having to collect credentials.

The Refresh Token is valid for 6 months. The Access Token expires every hour (3600 seconds). It is the client's responsibility to programmatically request a new Access Token when it expires using the Refresh Token.

To access TRAQS, a username, password, and NASDAQ Multi-Factor Authentication (MFA) is required. To establish a TRAQS username, please consult your Super Account Administrator (SAA) and use the Participant Data Management (PDM) system.

The data contained in the API files are maintained by FINRA Operations. For questions concerning the data, PDM, or to access the files, please contact FINRA Operations at (866) 776-0800 option 2 or FINRAOperations@finra.org. For technical questions or issues accessing the files, please contact FINRA Client and System Management at FINRA-TSCSM@finra.org.

Data is compiled from multiple sources, including but not limited to Refinitiv, S&P, Moody's, and Black Knight Technologies.

~~Access to the File Domain~~

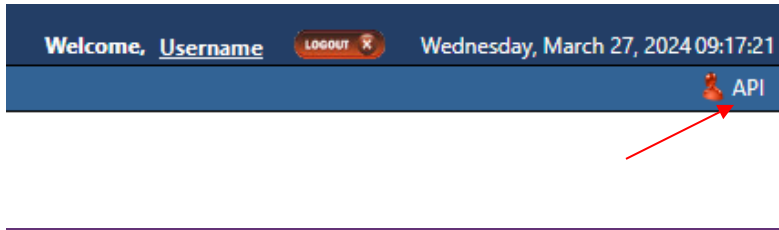
~~Corporate and Agency Debt file downloads use the NASDAQ Web Security Framework (NWSF) for authentication (proper client authorization for access to particular files must be in place). In order to access the site and download files, a user needs to present a valid NWSF account/password and client certificate with access to the application.~~

~~The data contained in these files are maintained by FINRA Operations. For questions concerning the data, or to subscribe to receive these files, please contact FINRA Operations at (866) 776-0800 or FINRAOperations@finra.org. For technical questions or issues accessing the files, please contact FINRA Product Management at (866) 899-2107 or FINRAProductManagement@finra.org.~~

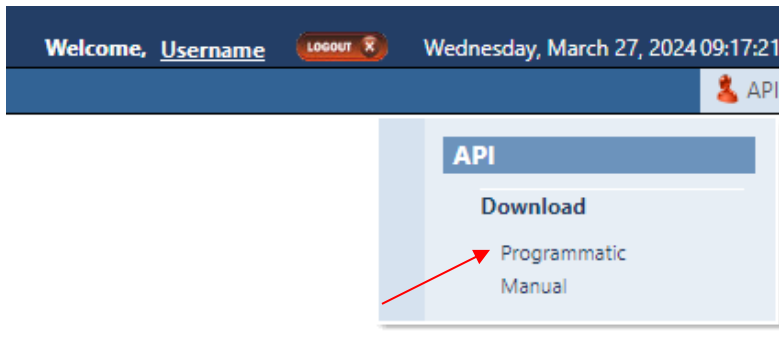
~~Data is compiled from multiple sources, including but not limited to Refinitiv, S&P, Moody's, and Black Knight Technologies.~~

Acquiring the Refresh Token in TRAQs

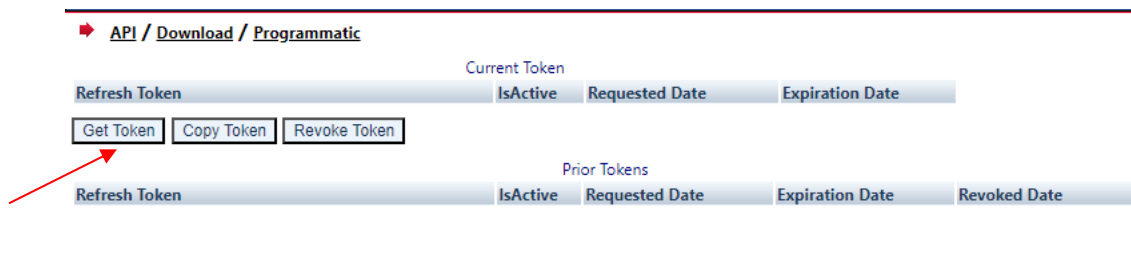
1. Log into TRAQs and authenticate using MFA.
2. Click **API** from the **Main Menu**.



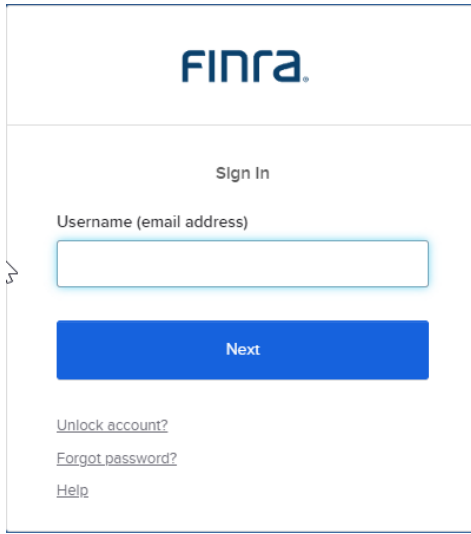
3. Click **Programmatic** from the **Download Menu** (this is where the Refresh Token is obtained).



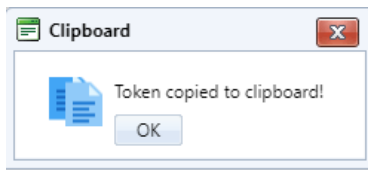
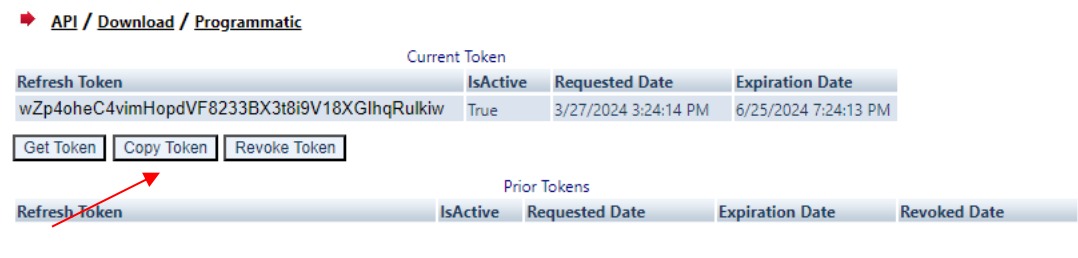
4. Click **Get Token** from the **API Download Programmatic** screen.



- After requesting the Refresh Token, the system will ask you to **Authenticate** again. If successful, the user will be brought back to the API Download Programmatic screen and the Refresh Token information will be populated under the “Current Token” portion of the screen.



- Click **Copy Token** and paste the **Refresh Token** into your script.



- Add code to your script to request an **Access Token**.
- Upon logging into the API domain from your application, your application will request a new Access Token from the TRAQS download server.
- Your application will apply the new Access Token to the download API request call.
- On success, the requested data will be returned to your application.

11. The user has the ability to Revoke the current Refresh Token at any time, by clicking **Revoke Token**. This will inactivate the current Refresh Token and it will move to the Prior Token portion of the screen.

API / Download / Programmatic

Current Token				
Refresh Token	IsActive	Requested Date	Expiration Date	
wZp4oheC4vimHopdVF8233BX3t8i9V18XGhRulkiw	True	3/27/2024 3:24:14 PM	6/25/2024 7:24:13 PM	

Get Token Copy Token Revoke Token

Prior Tokens				
Refresh Token	IsActive	Requested Date	Expiration Date	Revoked Date

API / Download / Programmatic

Current Token			
Refresh Token	IsActive	Requested Date	Expiration Date
wZp4oheC4vimHopdVF8233BX3t8i9V18XGhRulkiw	False	3/27/2024 3:24:14 PM	6/25/2024 7:24:13 PM

Get Token Copy Token Revoke Token

Prior Tokens				
Refresh Token	IsActive	Requested Date	Expiration Date	Revoked Date
wZp4oheC4vimHopdVF8233BX3t8i9V18XGhRulkiw	False	3/27/2024 3:24:14 PM	6/25/2024 7:24:13 PM	3/27/2024 3:41:17 PM

12. If the current Refresh Token is expired, click **Get Token** which will generate a new Refresh token and the expired Refresh Token will move to the Prior Token portion of the screen.

API / Download / Programmatic

Current Token			
Refresh Token	IsActive	Requested Date	Expiration Date
r7W5gnX_FLzliq-HPAm06dcJvIBhXUWNzKFJH31Rts	True	3/27/2024 3:51:26 PM	6/25/2024 7:51:26 PM

Get Token Copy Token Revoke Token

Prior Tokens				
Refresh Token	IsActive	Requested Date	Expiration Date	Revoked Date
wZp4oheC4vimHopdVF8233BX3t8i9V18XGhRulkiw	False	3/27/2024 3:24:14 PM	6/25/2024 7:24:13 PM	3/27/2024 3:41:17 PM

Note: Users will be notified via email 15 days prior to **Refresh Token** expiration. You cannot download the API files if the **Refresh Token** or **Access Token** are expired. Refresh Tokens that expire will need to be requested manually following step 3 above and updated in your script.

Requesting An Access Token

To programmatically request a new Access Token, clients will send a POST request to <https://apidownload.finratraqs.org/refresh>

In the body of the request, you will need to supply values to the following required parameters.

refresh token – refresh token request from the TRAQs website

username – the TRAQs username **NOT** the email address ~~the NWSF username was used to initially request the legacy API.~~

This will return the following sample JSON response:

```
{  
  "token_type": "Bearer",  
  "expires_in": 3600,  
  "access_token":  
  "eyJraWQiOiIiwVlRIdEFidXZFOUVzVknNkNGtYS3FIYXU5ZWJqbHRRbENSbXc4MGJPTTgwIiwiaWF0IjoiUlMyNTYifQ.e  
yJ2ZXIiOiJEsImp0aSI6IkkFULklhY3FWeDFSOU53dmVNWGhFU09iOEhNNHZEaGE1Q1Fma2pEQVlzM0kub2FyNnFzd2  
hxbGR0RzV4cUoweDYiLCJpc3MiOiJodHRwc2ovL21wcC10ZXN0Lm5hc2RhcS5jb20vb2F1dGgyL2RlZmF1bHQiLCJhdWQ  
iOiJhcGk6Ly9kZWZhdWx0IiwiaWF0IjoxNzEyNTkyOTY5LCJleHAiOiJlMjI1OTY1NjksImNpZCI6IjBvYTV3bHA0ZXF4  
c05PWlRqMHg3IiwidWlkIjoibDBlcWwybXltZWVhZGQ250bzMweDYiLCJzY3AiOiIsib2ZmbGluZV9hY2Nlc3MiXSwiYXV0a  
F90aW1lIjoxNzExMDE2NDM1LCJzdWIiOiJsdWlzLmJhbGxlbmFABmFzZGFxLmNvbSIsInFjX3VzZXJuYW1lIjpbImJhbG  
xlbmFsIiwibGJhbGxlbmEiLCJ5bFsbGVuYTEiLCJiYXN0IiwiaWF0IjoxNzEyNTkyOTY5LCJleHAiOiJlMjI1OTY1NjksImNpZCI6IjBvYTV3bHA0ZXF4  
iLCJiYXN0IiwiaWF0IjoxNzEyNTkyOTY5LCJleHAiOiJlMjI1OTY1NjksImNpZCI6IjBvYTV3bHA0ZXF4  
jdMwsj_OodJeqk0E-4J9tpXZ1roc609K4lk5BM1wQDxlGzP2ToWbbYI-  
VQYQ_49cZxFGX_6ih43TrsmQcA_lQoeYRrTzThET5NH_Q5RIQxKmkYiWXQRmXu0mhwjnc74jCjBY8t96tLoy-30wDCP-  
k_Fz7UNqCUIv1MtWqcp3zWgfhPsvswV4eRfj2iSgEwh_A4acpkxTSMWmauXbCeliMfFdnYrQRlsA055-9WH9pJ-  
c2MsB4cpNRO9n0tC3SKWD5l6aFTgE1KiLnIvPKQ",  
  "scope": "offline access",  
  "refresh_token": "Zr0_0q3fSmXJXhHNQws7YBXyt-OfftUMIqywc8VIxHI"  
}
```

The Access Token will be in the JSON response.

Requesting a File with an Access Token

To programmatically request a file, clients will send a request to the specified API URL request – e.g. <https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=PARTICIPANT&facility=TRACE> [apidownload.finratraqs.org] (see URL Parameters and Example Request sections for more information).

The following must be considered when sending the request:

1. All API file requests must be a secure request using https.
2. The API Request must use Authorization Bearer as the authentication type. Therefore, your header in your request but include “Authorization: Bearer <Access Token>” (see Requesting an Access Token section).
3. All API files request must be a POST request, and include following the parameters in the body of the request:
 - username=<assigned username> (<assigned username> is the assigned TRAQS username **NOT** the email address).

Example request using CURL

```
curl -s -OJ -X POST
--url
"https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=PARTICIPANT&facility=TRACE [apidownload.finratraqs.org]
--header "Authorization: Bearer
"eyJraWQiOiIwVlRldeFidXZFOUVzVknkNGtYS3FIYXU5ZWJqbHRRbENSMXc4MGJPTTgwIiwiaWF0IjoiMTMyNTYifQ.e
yJ2ZXIiOiJEsImp0aSI6IkFULklhY3FWeDFSOU53dmVNWGhFU09iOEhNNHZEaGE1Q1Fma2pEQVlzOXM4R0kub2FyNnFzd2
hxbGR0RzV4cUoweDYiLCJpc3MiOiJodHRwczovL2lwcC10ZXN0Lm5hc2RhcS5jb20vb2F1dGgyL2RlZmF1bHQiLCJhdWQ
iOiJhcGk6Ly9kZWZhdWx0IiwiaWF0IjoiMTYxMjE1OTY1NjksImNpZCI6IjBvYTU3bHA0ZXF4
c05PWlRqMHg3IiwidWlkIjoiMDBlcWwyaWwzZWhqQ250bzMweDYiLCJzY3AiOiI0b2ZmbGluZV9hY2Nlc3MiXSwiYXV0a
F90aW11IjoiNzExMdc2NDM1LCJzdWIiOiJsdWlzLmJhbGxlbmFABmFzZGFxLmNvbSIsInFjX3VzZXJuYW11IjpbImJhbG
xlbmFsIiwibGJhbGxlbmEiLCJzYmFsbnVzYmFsbGVzYmFsbGVzYmFsbGVzYmFsbGVzYmFsbGVzYmFsbGVzYmFsbGVzYmFsbGVz
iLCJiYWxsbmZzYyJdfQ.FuBh5F0gdLLUxeJbSkfXxpqVduIjCEi22hn5P9_nexbEJjstAueWYe8T3mVoyGdmJa9-
jdMwsj_OodJeqk0E-4J9tpXZ1roc609K41k5BM1wQDxlGzP2ToWbbYI-
VQYQ_49cZxFGX_6ih43TrsmQcA_lQoeYRrTzThET5NH_Q5RIQxKmkYiWXQRmXu0mhwjnc74jCjBY8t96tLoy-30wDCP-
k_Fz7UNqCUIv1MtWqcp3zWgfhPsvswV4eRfj2iSgEwH_A4acpkxTSMWmauXbCeliMFfdnyrQRlsA055-9WH9pJ-
c2MsB4cpNRO9n0tC3SKWD5l6aFTgE1KiLnIvPKQ",
--data "username=Finrausr"
```

Protocol

FINRA’s API download site provides access to files using standard HTTP Secure (https) protocol. It is a combination of the Hypertext Transfer protocol and the TLS protocol to provide encrypted communications and secure identification. The URL <https://apidownload.finratrags.org> is the domain where the files reside. In order to access file reference data users should refer to the query strings detailed in this specification. Examples of actual download query strings are available in later sections of this specification.

File Availability – All Times are Approximate

***Indicates user must include a date in the query; historical information can be accessed on a rolling date basis up to one year from the date the files were published via the API.**

File	When Available
Corporate and Agency Master	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 p.m. ET
Foreign Sovereign and Supranational Debt Master	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 p.m. ET
Security Daily List (For both CA and FS)	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 p.m. ET
Security Daily List Delta (For both CA and FS)	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 p.m. ET
Participant	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 p.m. ET
Participant Daily List	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 pm. ET
Participant Daily List Delta	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 pm. ET
US Agreements	Real time starting at 7:00 a.m. ET and throughout the day until 8:00 p.m. ET
Market Breadth*	Market Close Report at 5:30 p.m. End of day report at 6:45 p.m. ET
Most Actives*	End of day report at 5:30 p.m. ET
Indices*	End of day report at 5:30 p.m. ET
Index Components*	End of day report at 5:30 p.m. ET
Leading and Lagging*	End of day report at 5:30 p.m. ET
Top 10 Most Active Indices*	End of day report at 5:30 p.m. ET
Closing Report*	End of day report at 5:30 p.m. ET
Market Sentiment*	End of day report at 7:00 p.m. ET

NOTE: 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 the user will not have immediate success in access the data during these days.

URL Parameters

Parameter	Parameter Options
action	<p>DOWNLOAD - provide the complete file. DELTA – provide the changes since the last time the user downloaded the file.</p> <p>Delta actions are supported for Security Daily List and Participant Daily List. NOT for the Security Master, Participant List, US Agreements, or the end of day Market Aggregate or Market Sentiment files.</p>
facility	TRACE
file	<p>CAMASTER – Security Master File for Corporate and Agency Debt SOVNMASTER – Security Master File for Foreign Sovereign & Supranational Debt DAILYLISTCA – Security Daily List for Corporate and Agency Debt DAILYLISTSOVN – Security Daily List for Foreign Sovereign & Supranational Debt PARTICIPANT – Participant List (current participants with active authorizations for the specified facility) PDAILYLIST – Participant Daily List (additions/deletions/changes to the Participant List of the specified facility) CAUSA – Corporate and Agency US Agreements CORPBONDSBR – Corporate Bond Market Breadth Market Close AGCYBONDSBR - Agency Bond Market Breadth Market Close CORP144ABONDSBR – Corporate Bond 144A Market Breadth Market Close CORPBONDSBREOD – Corporate Bond Market Breadth End of Day AGCYBONDSBREOD - Agency Bond Market Breadth End of Day CORP144ABONDSBREOD – Corporate Bond 144A Market Breadth End of Day CORPBONDSMS – Corporate Bond Market Sentiment AGCYBONDSMS - Agency Bond Market Sentiment CORP144ABONDSMS – Corporate Bond 144A Market Sentiment MAINVGR – Most Active Investment Grade (Media) MAINVGR144A – Most Active Investment Grade 144A (Media) MAHIYLD – Most Active High Yield (Media) MAHIYLD144A – Most Active High Yield 144A (Media) MACVT – Most Active Convertible (Media) MACVT144A – Most Active Convertible 144A (Media) MAINVGRPRT – Most Active Investment Grade (Print Media) MAINVGRPRT144A – Most Active Investment Grade 144A (Print Media) MAHIYDPRT – Most Active High Yield (Print Media) MAHIYDPRT144A – Most Active High Yield 144A (Print Media) MACVTPRT – Most Active Convertible (Print Media) MACVTPRT144A – Most Active Convertible 144A (Print Media) STATSINVGR – Indices Investment Grade STATSHIYLD – Indices High Yield COMPINVGR – Index Components Investment Grade COMPHIYLD – Index Components High Yield</p>

Parameter	Parameter Options
	MOVINVGR – Leading and Lagging Movers Investment Grade MOVHIYLD - Leading and Lagging Movers High Yield MOSTINVGR – 10 Most Active Index Bonds Investment Grade MOSTHIYLD – 10 Most Active Index Bonds High Yield CLOSCORPELN – Closing Report for Corporate Bonds and ELN’s CLOSAGCY – Closing Report for Agency Bonds 144A and Non-144A CLOSCORPELN144A – Closing Report for Corporate Bonds and ELN’s that are classified as 144A securities
day	A date, for example: 6/1/2011. Date is used for Daily List requests and <u>all of the end of day files</u> such as the Market Aggregates and Closing Reports. If no date is specified on a <u>Daily List</u> or Closing report request, then the current day is assumed.

File	Query Parameters
Corporate and Agency Master	action=DOWNLOAD&file=CAMASTER&facility=TRACE
Foreign Sovereign & Supranational Debt Master	action=DOWNLOAD&file=SOVNMASTER&facility=TRACE
CORP Security Daily List	action=DOWNLOAD&file=DAILYLISTCA&facility=TRACE
CORP Security Daily List delta (See note 1)	action=DELTA&file=DAILYLISTCA&facility=TRACE
CORP Security Daily List for a specific day	action=DOWNLOAD&file=DAILYLISTCA&facility=TRACE&day=05/16/2012
SOVN Security Daily List	action=DOWNLOAD&file=DAILYLISTSOVN&facility=TRACE
SOVN Security Daily List delta (See note 1)	action=DELTA&file=DAILYLISTSOVN&facility=TRACE
SOVN Security Daily List for a specific day	action=DOWNLOAD&file=DAILYLISTSOVN&facility=TRACE&day=11/06/2023
TRACE Participant List	action=DOWNLOAD&file=PARTICIPANT&facility=TRACE
TRACE Participant Daily List	action=DOWNLOAD&file=PDAILYLIST&facility=TRACE
TRACE Participant Daily List delta (see note 1)	action=DELTA&file=PDAILYLIST&facility=TRACE
TRACE Participant Daily List for a specific day	action=DOWNLOAD&file=PDAILYLIST&facility=TRACE&day=11/06/2023

File	Query Parameters
TRACE Corporate and Agency US Agreements	action=DOWNLOAD&file=CAUSA&facility=TRACE
Market Breadth Corporate Market Close	action=DOWNLOAD&file=CORPBONDSBR&facility=TRACE&day=02/10/2012
Market Breadth Corporate End of Day	action=DOWNLOAD&file=CORPBONDSBREOD&facility=TRACE&day=02/10/2012
Market Breadth Agency Market Close	action=DOWNLOAD&file=AGCYBONDSBR&facility=TRACE&day=02/10/2012
Market Breadth Agency End of Day	action=DOWNLOAD&file=AGCYBONDSBREOD&facility=TRACE&day=02/10/2012
Market Breadth Corporate 144A Market Close	action=DOWNLOAD&file=CORP144ABONDSBR&facility=TRACE&day=02/10/2012
Market Breadth Corporate 144A End of Day	action=DOWNLOAD&file=CORP144ABONDSBREOD&facility=TRACE&day=02/10/2012
Market Sentiment Corporate	action=DOWNLOAD&file=CORPBONDSMS&facility=TRACE&day=05/11/2015
Market Sentiment Agency	action=DOWNLOAD&file=AGCYBONDSMS&facility=TRACE&day=05/11/2015
Market Sentiment Corporate 144A	action=DOWNLOAD&file=CORP144ABONDSMS&facility=TRACE&day=05/11/2015
Most Active Media Investment Grade	action=DOWNLOAD&file=MAINVGR&facility=TRACE&day=02/10/2012
Most Active Media Investment Grade 144A	action=DOWNLOAD&file=MAINVGR144A&facility=TRACE&day=02/10/2012
Most Active Media High Yield	action=DOWNLOAD&file=MAHIYLD&facility=TRACE&day=02/10/2012
Most Active Media High Yield 144A	action=DOWNLOAD&file=MAHIYLD144A&facility=TRACE&day=02/10/2012
Most Active Media Convertibles	action=DOWNLOAD&file=MACVT&facility=TRACE&day=02/10/2012
Most Active Media Convertibles 144A	action=DOWNLOAD&file=MACVT144A&facility=TRACE&day=02/10/2012
Most Active Print Media Investment Grade	action=DOWNLOAD&file=MAINVGRPRT&facility=TRACE&day=02/10/2012
Most Active Print Media Investment Grade 144A	action=DOWNLOAD&file=MAINVGRPRT144A&facility=TRACE&day=02/10/2012
Most Active Print Media High Yield	action=DOWNLOAD&file=MAHIYLPRT&facility=TRACE&day=02/10/2012
Most Active	action=DOWNLOAD&file=MAHIYLPRT144A&facility=TRACE&day=02/10/2012

File	Query Parameters
Print Media High Yield 144A	
Most Active Print Media Convertibles	action=DOWNLOAD&file=MACVTPRT&facility=TRACE&day=02/10/2012
Most Active Print Media Convertibles 144A	action=DOWNLOAD&file=MACVTPRT144A&facility=TRACE&day=02/10/2012
Indices Investment Grade	action=DOWNLOAD&file=STATSINVGR&facility=TRACE&day=02/10/2012
Indices High Yield	action=DOWNLOAD&file=STATSHIYLD&facility=TRACE&day=02/10/2012
Index Components Investment Grade	action=DOWNLOAD&file=COMPINVGR&facility=TRACE&day=02/10/2012
Index Components High Yield	action=DOWNLOAD&file=COMPHIYLD&facility=TRACE&day=02/10/2012
Leading and Lagging Movers – Investment Grade	action=DOWNLOAD&file=MOVINVGR&facility=TRACE&day=02/10/2012
Leading and Lagging Movers - High Yield	action=DOWNLOAD&file=MOVHIYLD&facility=TRACE&day=02/10/2012
10 Most Active Index Bonds Investment Grade	action=DOWNLOAD&file=MOSTINVGR&facility=TRACE&day=02/10/2012
10 Most Active Index Bonds High Yield	action=DOWNLOAD&file=MOSTHIYLD&facility=TRACE&day=02/10/2012
Closing Report Corporate Bonds and ELN's	action=DOWNLOAD&file=CLOSCORPELN&facility=TRACE&day=02/10/2012
Closing Report Agencies	action=DOWNLOAD&file=CLOSAGCY&facility=TRACE&day=02/10/2012
Closing Report Corporate Bonds and ELN's classified as 144A securities	action=DOWNLOAD&file=CLOSCORPELN144A&facility=TRACE&day=02/10/2012

NOTE 1: All requests are categorized and recorded. When a DELTA request is made, the time of the previous request is used to determine the items that appear in the DELTA results. The time used for the previous request is the time of request minus two minutes. This ensures that no updates are missed but it can mean items from a previous request may appear in the next DELTA request. Systems should be coded with this in mind.

File Definitions - All Files are Pipe Delimited

Corporate and Agency Debt Security Master Files

Field Name (Header)	Description	Comments	Maximum Length
SYM_CD	FINRA assigned Symbol		14
CUSIP_ID	CUSIP	This field will be blank for firms that do not have a CUSIP license in place.	9
BSYM_ID	FIGI/Financial Instrument Global Identifier		12
SUB_PRDCT_TYPE	Sub-Product Type Code	Valid values are: CORP AGCY ELN CHRC	5
DEBT_TYPE_CD	Debt Type Code	The Debt Type Code and affiliated description will be a combination of the Seniority/Bond Type (formerly Seniority Type) and Instrument/Security Type Codes as listed in Appendix 1. Note: This field can include hyphenation between characters.	8
ISSUER_NM	Issuer Name		80
SCRTY_DS	Security Description		80
CPN_RT	Coupon Rate	Decimal format	27 (19 after decimal)
CPN_TYPE_CD	Coupon Type Code	<i>Please see Appendix 2 for a list of Coupon Type Code / Descriptions</i>	10
TRD_RPT_EFCTV_DT	Trade Report Effective Date	YYYYMMDD format.	
MTRTY_DT	Maturity Date	YYYYMMDD format.	
GRADE	Grade	H – High Yield; I – Investment Grade	1
RESERVED2	Filler	Blank field - reserved for future use.	
IND_144A	144A Indicator	Y = Indicates a 144A security N = Not a 144A security	1
DISSEM	Trade Report Disseminator Indicator	Y = Indicates trade reports will be disseminated N= Indicates trade reports will not be disseminated	1
CNVRB_FL	Convertible Flag	Y/N	1

Foreign Sovereign & Supranational Debt Security Master Files

Field Name (Header)	Description	Comments	Maximum Length
SYM_CD	FINRA assigned Symbol		14
CUSIP_ID	CUSIP	This field will be blank for firms that do not have a CUSIP license in place.	9
BSYM_ID	FIGI/Financial Instrument Global Identifier		12
SUB_PRDCT_TYPE	Sub-Product Type Code	Valid values are: SOVN	5
DEBT_TYPE_CD	Debt Type Code	The Debt Type Code and affiliated description will be a combination of the Seniority/Bond Type (formerly Seniority Type) and Instrument/Security Type Codes as listed in Appendix 1. Note: This field can include hyphenation between characters.	8
ISSUER_NM	Issuer Name		80
SCRTY_DS	Security Description		80
CPN_RT	Coupon Rate	Decimal format	27 (19 after decimal)
CPN_TYPE_CD	Coupon Type Code	<i>Please see Appendix 2 for a list of Coupon Type Code / Descriptions</i>	10
TRD_RPT_EFCTV_DT	Trade Report Effective Date	YYYYMMDD format.	
MTRTY_DT	Maturity Date	YYYYMMDD format.	
GRADE	Grade	H – High Yield; I – Investment Grade	1
RESERVED2	Filler	Blank field - reserved for future use.	
IND_144A	144A Indicator	Y = Indicates a 144A security N = Not a 144A security	1
DISSEM	Trade Report Disseminator Indicator	Y = Indicates trade reports will be disseminated N= Indicates trade reports will not be disseminated	1
CNVRB_FL	Convertible Flag	Y/N	1
ISIN	ISIN	This field will be blank for firms that do not have a CUSIP license in place.	12

Disclaimer:

This list is provided for informational purposes to assist members in determining whether a TRACE trade reporting obligation exists for an executed transaction in a TRACE-eligible security. FINRA expresses no view as to the legality of transactions involving the securities identified on this list. Multiple considerations can come to bear on whether a particular transaction is permissible under all applicable regulatory requirements for the parties involved in the activity. For example, trades in U.S.-dollar denominated foreign sovereign debt securities may implicate the U.S. sanctions laws and regulations administered by the U.S. Department of the Treasury's Office of Foreign Assets Control (OFAC). Each FINRA member is responsible for complying with the regulatory obligations applicable to its activities.

Corporate and Agency Debt Daily List (for Securities)

Field Name (Header)	Description	Comments	Maximum Length
DAILY_LIST_DT	Daily List Date	YYYYMMDD format.	
DAILY_LIST_TIME	Daily List Time	HH:MM:SS	
DAILY_LIST_EVENT_CD	Daily List Event Type	Valid values are: SA <i>Security Add</i> SD <i>Security Delete</i> SC <i>Security Change</i>	2
DAILY_LIST_RSN_CD	Daily List Reason	Reason for the addition, deletion, or change. This field may be blank. <i>Please see Appendix 3 for a list of Daily List Reason Codes / Descriptions</i>	5
CMMNT_TX	Event Comment	Free form text field entered by FINRA Operations. May be blank.	30
EFCTV_DT	Effective Date	Reflects effective date for the event affected in the record.	
PROD_TYPE	Product Type	Constant "CA"	
SYM_CD	FINRA Symbol		14
CUSIP		This field will be blank for firms that do not have a CUSIP license in place.	9
BSYM_ID	FIGI/Financial Instrument Global Identifier		12
SCRTY_DS	Security Description		250
ISSUER_NM	Issuer Name		255
CPN_RT	Coupon Rate	Decimal format	27 (19 after decimal)
MTRTY_DT	Maturity Date	YYYYMMDD format.	
IND_144A	144A Indicator	Y = Indicates a 144A security N = Not a 144A security	1
DSMTN_FL	Dissemination Flag		1
SUBPROD_TYPE	Sub-Product Type	Valid values are: CORP AGCY ELN CHRC Note: Changes to Sub-Product values will be administered by a Delete then Add Daily List event.	5

Field Name (Header)	Description	Comments	Maximum Length
TRD_RPT_EFCTV_DT	Trade Report Effective Date	YYYYMMDD format. Will be blank on Delete Event Types.	
CNVRB_FL	Convertible Flag	Y/N	1
NEW_SYM_CD	New Symbol	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	14
NEW_CUSIP	New CUSIP	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	9
NEW_BSYM_ID	New FIGI/Financial Instrument Global Identifier	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	12
NEW_SCRTY_DS	New Security Description	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	250
NEW_ISSUER_NM	New Issuer	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	255
NEW_CPN_RT	New Coupon Rate	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	27 (19 after decimal)
NEW_MTRTY_DT	New Maturity Date	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	
NEW_IND_144A	New 144A Indicator	Y = Indicates a 144A security N = Not a 144A security	1
NEW_DSMTN_FL	New Dissemination Flag	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	1
NEW_SUBPROD_TYPE	New Sub Product Type	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	5
NEW_TRD_RPT_EFCTV_DT	New Trade Report Effective Date	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	
NEW_CNVRB_FL	New Convertible Flag	Y/N	1

Foreign Sovereign & Supranational Debt Daily List (for Securities)

Field Name (Header)	Description	Comments	Maximum Length
DAILY_LIST_DT	Daily List Date	YYYYMMDD format.	
DAILY_LIST_TIME	Daily List Time	HH:MM:SS	
DAILY_LIST_EVENT_CD	Daily List Event Type	Valid values are: SA <i>Security Add</i> SD <i>Security Delete</i> SC <i>Security Change</i>	2
DAILY_LIST_RSN_CD	Daily List Reason	Reason for the addition, deletion, or change. This field may be blank. <i>Please see Appendix 3 for a list of Daily List Reason Codes / Descriptions</i>	5
CMMNT_TX	Event Comment	Free form text field entered by FINRA Operations. May be blank.	30
EFCTV_DT	Effective Date	Reflects effective date for the event affected in the record.	
PROD_TYPE	Product Type	Constant "CA"	
SYM_CD	FINRA Symbol		14
CUSIP		This field will be blank for firms that do not have a CUSIP license in place.	9
BSYM_ID	FIGI/Financial Instrument Global Identifier		12
SCRTY_DS	Security Description		250
ISSUER_NM	Issuer Name		255
CPN_RT	Coupon Rate	Decimal format	27 (19 after decimal)
MTRTY_DT	Maturity Date	YYYYMMDD format.	
IND_144A	144A Indicator	Y = Indicates a 144A security N = Not a 144A security	1
DSMTN_FL	Dissemination Flag		1
SUBPROD_TYPE	Sub-Product Type	Valid values are: SOVN Note: Changes to Sub-Product values will be administered by a Delete then Add Daily List event.	5
TRD_RPT_EFCTV_DT	Trade Report Effective Date	YYYYMMDD format. Will be blank on Delete Event Types.	
CNVRB_FL	Convertible Flag	Y/N	1

Field Name (Header)	Description	Comments	Maximum Length
NEW_SYM_CD	New Symbol	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	14
NEW_CUSIP	New CUSIP	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	9
NEW_BSYM_ID	New FIGI/Financial Instrument Global Identifier	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	12
NEW_SCRTY_DS	New Security Description	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	250
NEW_ISSUER_NM	New Issuer	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	255
NEW_CPN_RT	New Coupon Rate	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	27 (19 after decimal)
NEW_MTRTY_DT	New Maturity Date	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	
NEW_IND_144A	New 144A Indicator	Y = Indicates a 144A security N = Not a 144A security	1
NEW_DSMTN_FL	New Dissemination Flag	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	1
NEW_SUBPROD_TYPE	New Sub Product Type	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	5
NEW_TRD_RPT_EFCTV_DT	New Trade Report Effective Date	Applicable to Change Event Types only. Will be blank on Add and Delete Events.	
NEW_CNVRB_FL	New Convertible Flag	Y/N	1
ISIN		This field will be blank for firms that do not have a CUSIP license in place.	12
NEW_ISIN	ISIN	This field will be blank for firms that do not have a CUSIP license in place.	12

TRACE Participant List

Field Name (Header)	Description	Comments	Maximum Length
mpid	Market Participant Identifier	FINRA identifier assigned to the participant	6
dba_nm	Firm Name		64

TRACE Participant Daily List

Field Name (Header)	Description	Comments	Maximum Length
list_dt	Daily List Date	MMDDYYYY format	
effective_dt	Effective Date	MMDDYYYY format	
cd_description	Event Type	Valid values are: Participant Addition Participant Deletion Participant Change	
old_mpid	Market Participant Identifier		6
old_dba	Firm Name		64
new_mpid	New Market Participant Identifier		6
new_dba	New Firm Name		64
rf_cd	Reporting Facility	Value will always be TRACE	

Market Breadth Files

Field Name (Header)	Description	Comments	Maximum Length
Value	Type of Bond	All; Inv Grade; High Yield; Convertible	
Securities Traded	Total number of securities that traded for the day		10
Advances	The total number of issues where the closing price for that day is higher than the prior closing price		10
Declines	The total number of issues where the closing price for that day is lower than the prior closing price		10
Unchanged	The total number of issues where the closing price for that day remains the same as the prior closing price		10
52 week high	The total number of issues where the closing price for that day is higher than a prior closing price within the past 52		10

Field Name (Header)	Description	Comments	Maximum Length
	business weeks (on a rolling basis)		
52 week low	The total number of issues where the closing price for that day is lower than a prior closing price within the past 52 business weeks (on a rolling basis)		10
Dollar Volume	Represents the current day's total traded par value (in millions)		10

Market Sentiment Files

Field Name (Header)	Description	Comments	Maximum Length
Value	Type of Bond and Statistic Category	Each Type of Bond (All Types, Inv Grade, High Yield, Convertible; Church; ELN, Fannie Mae, Freddie Mac, etc... will be displayed with statistical category of "Total Transactions", "Total Issues Traded", "Total Volume". Example: Inv Grade Total Transactions; Inv Grade Total Issues Traded; Inv Grade Total Volume: Inv Grade	
All Issues			
Customer Buy			
Customer Sell			
Affiliate Buy			
Affiliate Sell			
Inter-Dealer			

Most Active Files – Media Data Version – Top 10

Field Name (Header)	Description	Comments	Maximum Length
Symbol	Current TRACE bond symbol		14
CUSIP_ID	CUSIP of the bond		9
High Price	Highest traded price for the current day in the issue		12
Low Price	Lowest traded price for the current day in the issue		12

Field Name (Header)	Description	Comments	Maximum Length
Last Price	The current day's closing price in the issue		12
Change	The difference in the current day's closing price versus the prior closing price. N/A indicates no change in price		20
Yield	The weighted average yield of the bond. "C" indicates yield is unavailable because of the issue's call criteria		14

Most Active Files – Media Print Version – Top 50

Field Name (Header)	Description	Comments	Maximum Length
Issuer Name	Issuer of the bond		80
Symbol	Current TRACE bond symbol		14
Coupon Rate	Current coupon rate of the bond		27
Maturity Date	Maturity date (month and year) of the bond		YYYYMMDD
Moody's/S&P	A bond's rating		
High Price	Highest traded price for the current day in the issue		12
Low Price	Lowest traded price for the current day in the issue		12
Last Price	The current day's closing price in the issue		12
Change	The difference in the current day's closing price versus the prior closing price. N/A indicates no change in price		20
Yield	The weighted average yield of the bond. "C" indicates yield is unavailable because of the issue's call criteria		14

Overall Index Values Indices Files:

Note: As of November 1, 2018, the daily Indices are no longer produced. Historical data will continue to be provided. Data from 2/4/2011 through 10/31/2018 is available for query.

Field Name (Header)	Description	Comments	Maximum Length
Stat	Index Statistic	TR = Total Return PR = Price YL = Yield OA = OAS AS = AAS VO = Volume	50
Value	Current Statistical Figure		10
Change	Delta from previous day		10

Index Components Files

Note: As of November 1, 2018, the daily Indices are no longer produced. Historical data will continue to be provided. Data from 2/4/2011 through 10/31/2018 is available for query.

Field Name (Header)	Description	Comments	Maximum Length
Symbol	FINRA assigned Symbol		14
CUSIP	CUSIP	This field will be blank for firms that do not have a CUSIP license in place	9
VWAP Price of Bond	Volume Weighted Average Price of the bond		10
Delta Price of Bond	Represents the change in bond price from the previous day		10
Bond Yield			14
Delta Yield			14
Bond % Weight in Index			10

Leading and Lagging Movers Report Files

Note: As of November 1, 2018, the daily Indices are no longer produced. Historical data will continue to be provided. Data from 2/4/2011 through 10/31/2018 is available for query.

Field Name (Header)	Description	Comments	Maximum Length
Symbol	FINRA assigned Symbol		14
CUSIP	CUSIP	This field will be blank for firms that do not have a CUSIP license in place	9
VWAP price of Bond	Volume Weighted Average Price of the bond		10
Delta Price of Bond	Represents the change in bond price from the previous day		10

Top 10 Most Active Index Bonds Report Files

Note: As of November 1, 2018, the daily Indices are no longer produced. Historical data will continue to be provided. Data from 2/4/2011 through 10/31/2018 is available for query.

Field Name (Header)	Description	Comments	Maximum Length
Index Type			30
Symbol	FINRA assigned Symbol		14
CUSIP	CUSIP	This field will be blank for firms that do not have a CUSIP license in place	9
Rank			2

Corporate Bonds/ELN, Agency Debt, and Corporate Bonds/ELN's classified as 144A securities Closing Report Files

Field Name (Header)	Description	Comments	Maximum Length
SYM_CD	FINRA assigned Symbol		14
CUSIP_ID	CUSIP	This field will be blank for firms that do not have a CUSIP license in place	9
WI	When Issued	Yes or No	
BSYM_ID	FIGI/Financial Instrument Global Identifier		12
SUB_PRODUCT		CORP ELN AGCY CHRC	5
HIGH_PRICE	High Price		10
HIGH_YLD	High Yield	Includes a field for the sign. The sign field can be blank or “-“	14
LOW_PRICE	Low Price		10
LOW_YLD	Low Yield	Includes a field for the sign; the sign field can be blank or “-“	14
CLOSING_PRICE	Close Price		10
CLOSING_YLD	Close Yield	Includes a field for the sign; the sign field can be blank or “-“	14
TRADE_DATE	Trade Date for the record's prices	Closing price date in mm/dd/yyyy format	

Corporate and Agency US Agreements File

Field Name (Header)	Description	Comments	Maximum Length
MPID	MPID of the Client	FINRA identifier assigned to the participant.	6
AGRMT_EFCTV_DT	Effective Date for the agreement with the client	Format is YYYYMMDDHHMMSS	14
AGRMT_XPRTN_DT	End date for agreement with the client	Format is YYMMDDHHMMSS	12
UNFRM_SRVC_AGRMT_MP_ID	MPID of client with who agreement is based	FINRA identifier assigned to the participant.	6
US_GIVEUP_DROP_FL	Give Up firm receives drop copies of transaction messages	Y or N.	

Example Requests

Example 1 - Get the current Corporate Bond Security Master file

This request retrieves the current list of all Corporate and Agency securities eligible for trade reporting:

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=CAMASTER&facility=TRACE>

Example 2 - Get the current Foreign Sovereign & Supranational Debt Security Master file

This request retrieves the current list of all Foreign Sovereign & Supranational Debt securities eligible for trade reporting:

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=SOVNMASTER&facility=TRACE>

Example 3 - Get today's CA Daily List (no day provided)

This request retrieves the current day's cumulative list of changes to all the Corporate and Agency Security Master data.

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=DAILYLISTCA&facility=TRACE>

Example 4 - Get today's SOVN Daily List (no day provided)

This request retrieves the current day's cumulative list of changes to all the Foreign Sovereign & Supranational Debt Security Master data.

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=DAILYLISTSOVN&facility=TRACE>

Example 5 - Get the current TRACE Participant List

This request retrieves the current list of TRACE authorized Participants:

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=PARTICIPANT&facility=TRACE>

Example 6 - Get today's TRACE Participant Daily List (no day provided)

This request retrieves the current day's cumulative list of changes to TRACE authorized Participants:

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=PDAILYLIST&facility=TRACE>

Example 7 - Get the TRACE Participant Daily List for a Specific Day (5/16/2011)

This request retrieves the list of changes to TRACE authorized Participants published on 5/16/2012 (*note 5/16/2011 is used as an example. Any specific date may be used*):

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=PDAILYLIST&facility=TRACE&day=5/16/2011>

Example 8 - Get changes to the TRACE Participant Daily List since the last download (DELTA) (no day provided)

This request retrieves the latest list of changes to TRACE authorized Participants since the last user download of the Participant List:

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DELTA&file=PDAILYLIST&facility=TRACE>

Example 9 - Get the Market Breadth file

This request retrieves the current list of advanced/declined and unchanged issues for Corporate Bonds.

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=CORPBONDSBR&facility=TRACE&day=02/10/2012&day=02/10/2012>

Example 10 - Get the Most Actives file – Media Version file

This request retrieves the current list of most active investment grade securities sent to the media.

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=MAINVGR&facility=TRACE&day=02/10/2012>

Example 11 - Get the Most Actives file – Print Media Version file

This request retrieves the current list of most active investment grade securities sent to the print media.

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=MAINVGRPRT&facility=TRACE&day=02/10/2012>

Example 12 - Get the Agency Closing Report file

This request retrieves the closing report for agency debt.

<https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=CLOSAGCY&facility=TRACE&day=02/10/2012>

Sample Results

Corporate and Agency Debt Security Master File Illustrating the Header and Footer

```
SYM_CD|CUSIP_ID|BSYM_ID|SUB_PRDCT_TYPE|DEBT_TYPE_CD|ISSUER_NM|SCRTY_DS|CPN_RT|CPN_T  
YPE_CD|TRD_RPT_EFCTV_DT|MTRTY_DT|GRADE|RESERVED2|IND_144A|DISSEM|CNVRB_FL  
|761157AA4||AGCY|BND|Resolution Fding|RESFC 8.125  
10/15/19|8.125000000000000000|FXPV|20110516|20191015|||N|Y|Y  
|761157AB2||AGCY|BND|Resolution Fding|RESFC 8.625  
01/15/30|8.625000000000000000|FXPV|20110516|20300115|||N|Y|N  
|761157AC0||AGCY|BND|Resolution Fding|RESFC 8.875  
04/15/30|8.875000000000000000|FXPV|20110516|20300415|||N|Y|N  
10/15/20|9.375000000000000000|FXPV|20110516|20201015|||N|Y|Y  
|078167AZ6||CORP|SRDEB|Verizon Pennsylv|VZ 8.350 12/15/30  
PUT|8.350000000000000000|FXPV|20110516|20301215|||N|Y|Y  
|048825AW3||CORP|DEB|Atlantic Richfld|BP 9.000  
04/01/21|9.000000000000000000|FXPV|20110516|20210401|||N|Y|Y  
|048825AY9||CORP|DEB|Atlantic Richfld|BP 9.000  
05/01/31|9.000000000000000000|FXPV|20110516|20310501|||N|Y|Y  
Footer - Count: 00042003, Facility: TRACE, File Created: 20111116111940
```

Corporate and Agency Debt Daily List File Illustrating the Header and Footer

```
DAILY_LIST_DT|DAILY_LIST_EVENT_CD|DAILY_LIST_RSN_CD|CMMNT_TX|EFCTV_DT|PROD_TYPE|SYM  
_CD|CUSIP|BSYM_ID|SCRTY_DS|ISSUER_NM|CPN_RT|MTRTY_DT|DSMTN_FL|SUBPROD_TYPE|TRD_RPT_  
EFCTV_DT|CNVRB_FL|NEW_SYM_CD|NEW_CUSIP|NEW_BSYM_ID|NEW_SCRTY_DS|NEW_ISSUER_NM|NEW_C  
PN_RT|NEW_MTRTY_DT|NEW_DSMTN_FL|NEW_SUBPROD_TYPE|NEW_TRD_RPT_EFCTV_DT|NEW_CNVRB_FL|  
20111102|SA|BLK|Added by Amit|20111102|CA|LSAKA3666251|00086NA06||This security is  
added by Amit to test Sub-product Change AGCY to ABS on 11-2-2011|Lake Sakakawea  
Green Energy  
Corporation|0.115500|20221130|Y|AGCY|20111102|Y|||||||20111102|SD|||20111102|CA|  
LSAKA3666251|00086NA06||This security is added by Amit to test Sub-product Change  
AGCY to ABS on 11-2-2011|Lake Sakakawea Green Energy  
Corporation|0.115500|20221130|Y|AGCY|20111102|Y|||||||20111102|SA|||20111102|CA|  
QUIM3666254|00100X106||This security is added by Amit to test ABS to AGCY sub-  
product change on 11-2-2011|Quimper Wind Green Energy  
Corporation|0.900000|20331103|N|AGCY|20111101|N|||||||  
Footer - Count: 00000003, Facility: TRACE, File Created: 20111116111005
```


TRACE Participant Daily List File Illustrating the Header and Footer

```
list_dt|effective_dt|cd_description|old_mpid|old_dba|new_mpid|new_dba|rf_cd
09/09/2010|09/09/2010|Participant Addition||HRBC|hurleyf test HRBC mppweb|OTCE
09/09/2010|09/09/2010|Participant Addition|ABNE|ABNE TEST|||TRACE
09/09/2010|09/09/2010|Participant Addition|ABNF|ABNF TEST|||TRACE
09/09/2010|09/09/2010|Participant Addition|ABNB|ABN AMRO CLEARING CHICAGO
LLC|||TRACE
09/09/2010|09/09/2010|Participant Addition|ABNC|ABNC TEST|||TRACE
...
[snip]
...
09/09/2010|09/09/2010|Participant Deletion|AALC|THRIVENT INVESTMENT MANAGEMENT
CO2|||TRACE
Footer - Count: 00000014, Facility:TRACE, File Created: 20100910120732
```

TRACE Participant List File Illustrating the Header and Footer

```
mpid|dba_nm
AAAA|TEST
ABLE|NATIXIS BLEICHROEDER INC.
ABNA|ABN AMRO SECURITIES (USA) LLC
ABNB|ABN AMRO CLEARING CHICAGO LLC
ABNC|ABNC TEST
ABND|ABND TEST
ABNE|ABNE TEST
ABNG|ABNG TEST
ABPI|PAVEK INVESTMENTS INC.
...
[snip]
...
QUAL|QUAYLE & CO. SECURITIES
ROCK|ROCKWELL GLOBAL CAPITAL LLC
SCHO|SCHOFF & BAXTER, INC.
TMBR|TIMBER HILL LLC
UBSS|UBS SECURITIES LLC
WONG|A B WONG CAPITAL LLC
WTCO|WILLIAMS TRADING LLC
Footer - Count: 00000089, Facility: TRACE, File Created: 20100910121322
```

Appendices

Note, all codes/descriptions in the following appendices are subject to updates as necessary; updates may be made as frequently as on a monthly basis. FINRA reserves the right to update these codes and descriptions without notice. Users are advised to periodically check this specification for these updates to ensure having the most recent data. Documentation version revisions will not be made based on any potential monthly changes to these tables.

Appendix 1 - Debt Type Codes and Descriptions

The Debt Type Code and affiliated description will be a combination of the Seniority/Bond Type and Instrument/Security Type Codes listed below.

Example: Senior Unsecured (Seniority/Bond Type) Note (Instrument/Security Type) will be reflected as S-NT.

Note 2: The Debt Type Code field can include hyphenation between characters.

Note 3: Note, because the updated debt code descriptions may not be available for a number of securities some securities will continue to use legacy debt type codes.

Seniority/Bond Type Code	Seniority/Bond Type Description
1RM	First and Refunding Mortgage
JSC	Junior Secured or Junior Subordinated Secured
JSB	Junior Unsecured or Junior Subordinated Unsecured
SSC	Senior Secured
SBS	Senior Subordinated Secured
SBN	Senior Bail-In
BSC	Subordinated Secured
1M	First Mortgage
2M	Second Mortgage
3M	Third Mortgage
1LN	First Lien
2LN	Second Lien
MZ	Mezzanine
RM	General & Refunding Mortgage
SC	Secured
SB	Senior Subordinated Unsecured
UN	Unsecured
M	Mortgage
S	Senior Unsecured
B	Subordinated Unsecured
OTH	Other

Instrument/Security Type Code	Instrument/Security Type Description
AA	Appropriation Antic Note
ABCP	Asset Backed Commercial Paper
ABS	Asset Backed Security
ABSA	Aircraft Asset Backed Security
LIBS	Life Insurance Backed Security or Insurance Revenue Backed S
ABSR	Railroad Asset Backed Security
ACS	Asset Covered Security (Covered Bond)
BA	Bond Anticipation Note
BAB	Build America Bond
BAS	Bankers Acceptance
BBR	Bankbrieven
BCD	Bono de Banco Central en Dolares pagaderos en Pesos
BCP	Bono de Banco Central en Pesos
BCU	Bono de Banco Central en Unidades de Fomento
BCX	Bono Banco Central En Dolares
BDAG	Agriculture Bond
BIBD	Biman Bond
JTBD	Jute Bond
BLT	Belgian Treasury
BL	Bill
BND	Bond
BNT	Bank Note
BOC	Italian BOC
BONO	Bono del Estado
BOP	Italian BOP
BOR	Italian BOR
BP28	BPAG28
BP91	BPAG91
BREM	BREMS
BSB	Bundesschatzbrief
BUBL	Unverzinsliche Schatzanweisung
BUND	Bundesanleihe
C1	Certificate of Indebtedness
C2	Certificate of Participation
C3	Certificate of Obligation
C9	Other Muni Certificate
CA	Combined Antic
CLUT	Callable Unit
CSEC	Capital Security
CAT	Insurance Linked Security

Instrument/Security Type Code	Instrument/Security Type Description
CD	Certificate of Deposit
CDEB	Spread Quoted Debenture
CDI	Certificate of Deposit - Institutional
CDO	Collateralized Debt Obligation
SCDO	Synthetic Collateralized Debt Obligation
CDR	Certificate of Deposit - Retail
CH	Cedulas Hipotecaria (Covered Bond)
CRCH	Church Bond
CLN	Credit Linked Note
CC	China Corporate Bond
CEB	China Enterprise Bond
CPPB	China Small & Medium Enterprises Private Placement Bond
CTR	Collateral Trust
COLT	Continuously Offered Long Term Security
CPD	Capital Debenture
CT	Cedulas Territorial (Covered Bond)
CTF	Certificate
CR	Custodial Receipt
COV	Covered Bond (Other)
VRDO	Corporate Variable Rate Demand Obligation
DA	Dutch Auction
DEB	Debenture
DPNT	Deposit Note
DPSH	Depositary Preferred Share
DGB	Danish Govt Bond
DSNT	Discount Note
DRTH	Depositary Receipt (Thailand)
DSL	Dutch State Loan
DT	Dutch Treasury
EC	Embedded Cap
EETC	Enhanced Equipment Trust Certificate
EQTR	Equipment Trust
EQU	Equity Unit
ES	Embedded Swap
FA	Fund Anticipation Note
FAC	Facility Bond
FIS	Fixed Income Security
OF	Obligation Fonciere (Covered Bond)
FTA	Fondo de Titulizacion de Activos
FTH	Fondo de Titulizacion Hipotecaria

Instrument/Security Type Code	Instrument/Security Type Description
FN	Fundierte Namensschuldverschreibung (covered bond)
FUNG	Strip - Fungible - Interest and/or Principal
FS	Fundierte Schuldverschreibungen (Covered Bond)
FSJ	Fundierte Schuldverschreibung Jumbo (Covered Bond)
GA	Grant Anticipation Note
GAC	Guaranteed Annuity Contract
GDN	Global Depository Note
GNNT	General Term Note
GTS	Gilt Treasury Stock
HNP	Hypotheken-Namenspfandbrief (covered bond)
HPF	Hypothekenspfandbrief Jumbo (Covered Bond)
IGB	Irish Govt Bond
INBD	Income Bond
INNT	Income Note
IB	Infrastructure Bond
INHB	Inhaberschuldverschreibung
INT	Strip - Interest only
JL	Jumbo Landesschatzanweisung
JCB	Junior Covered bond (Denmark)
FJ	Flugzeugpfandbrief Jumbo (Covered Bond)
JLO	Jumbo Landesobligation
SJ	Schiffspfandbrief Jumbo (Covered Bond)
JULK	Julkisyhteisovakuudellinen (Covered Bond)
KO	Kassenobligation
KIIN	Kiinteistovakuudellinen (Covered Bond)
KOB	Kommunalbrief
LA	Loan Antic Note
LW	Landesschatzanweisung
LEBC	Letra del Banco Central
LFTA	Letra Financeira do Tesouro A
LH	Chile LH
LNST	Loan Stock
LOB	Lease Obligation Bond
LPN	Loan Participation Note
LSNT	Lease Note
LTHP	Lettres de Gage hypothecaires (Covered Bond)
LTMB	Lettres de Gage mobilières (Covered Bond)
LTPB	Lettres de Gage publiques (Covered Bond)
LDG	Lettre de Gages (Covered Bond)
MBS	Mortgage Backed Security

Instrument/Security Type Code	Instrument/Security Type Description
BPA	BPA
MXBP	Mexico BPA Semestral
BPAT	BPAT
N1	Construction Loan Note
N2	Collateralized Loan Note
N3	Renewal & Renewable Note
N4	Promissory Note
N9	Other Note
NAME	Namensschuldverschreibung
NTBC	Nota del Banco Central
NPF	Namenspfandbrief (Covered Bond)
NT	Note
OAT	Obligation Assimilable du Tresor
OBG	Obbligazioni Bancaria Garantita (Covered Bond)
ODE	Obligacion del Estado
OH	Obrigacao Hipotecaria (Covered Bond)
ONP	Oeffentlicher Namenspfandbrief (covered bond)
OPA	Offerta Pubblica di Acquisto (Italian FI Takeover Bid)
OPF	Oeffentlicher Pfandbrief Jumbo (Covered Bond)
ORD	Orderschuldverschreibung
OSSB	Obrigacoes sobre o Sector Publico (Covered Bond)
OT	Obrigacao do Tesouro
P1	Commercial Paper
PI	Participation Interest
PTC	Pass Through Certificate
PDEB	Percentage Quoted Debenture
PA	Pfandbrief Anleihe (Covered Bond)
PF	Preferred Stock
FF	Flugzeugpfandbrief (Covered Bond)
H	Hypothekenspfandbrief (Covered Bond)
LO	Landesobligation
OP	Oeffentlicher Pfandbrief (Covered Bond)
S	Schiffspfandbrief (Covered Bond)
PIBS	Permanent Interest Bearing Share
PINT	Strip - Principal and Interest
BMP	Belgian Mortgage Pandbrieven (Covered Bond)
PNT	Equity Participation Note
PP	Participacion Preferente
PRC	Pagare Reajustable del Banco Central
PRIN	Strip - Principal only

Instrument/Security Type Code	Instrument/Security Type Description
STRP	Strip - Principal Only Uplift (Inflation Linked)
PVD	Privatized Debt
TYBD	Tokyo Pro Bond
QSC	Qualified School Construction Bond
RA	Rev Antic Note
R	Realkreditobligation
RFBD	Refund Bond
RLN	Restructured Loan
REAL	Realkreditobligation (Covered bond (Denmark pre-2008))
RZE	Recovery Zone Economic Bond
SO	Sakerstallda Obligation (Covered Bond)
BW	Bundesschatzanweisung
SDO	Saerligt Daekkede Obligation (Covered Bond)
SDRO	Saerligt Daekkede Realkreditobligation (Covered Bond)
SFH	Obligations de Financement de l'Habitat (Covered Bond)
SLIM	Slimbo
SEC	Stock Exchange Certificate
SP	Structured Product
SBP	Strip Bond Package
I1	Islamic Sukuk (Salam)
I2	Islamic Sukuk (Bay' ad Dayn)
I13	Islamic Sukuk (Bay' al 'ina - Buy back)
I3	Islamic Sukuk (Bay' bi thaman ajil (BBA))
I4	Islamic Sukuk (Ijara)
I5	Islamic Sukuk (Istisna')
I6	Islamic Sukuk (Istithmar)
I7	Islamic Sukuk (Mudaraba)
I8	Islamic Sukuk (Murabaha)
I9	Islamic Sukuk (Musharaka)
SUK	Islamic Sukuk (Other)
I10	Islamic Sukuk (Wakala bil istithmar)
SUNT	Surplus Note
SVBD	Savings Bond
I11	Islamic Sukuk (Hybrid)
TA	Tax Antic Note
TCR	Tax Credit
TCU	Unit of a Trust
TGNT	Toggle Note
TKPC	Stock Purchase Contract
TR	Trust

Instrument/Security Type Code	Instrument/Security Type Description
TRA	Treuhand-Anleihe
TCT	Trust Certificate
SPV	Preferred Security (Trust, SPV)
UA	Unknown Antic Type
UT	Unit
I12	Letra de Tesoreria
VCP	Bond - Argentina Valor de Corto Plazo
WRLN	War Loan - United Kingdom
XA	Federal Aid Antic
ZA	Tax And Rev Antic Note
ZAI	Zaito Bond
CBND	Corporate Debt Security
ENT	Equity Linked Note
VBND	Convertible Debt Security
ILS	Index Linked Security
OTH	Other

Appendix 2 - Coupon Type Codes and Descriptions

Coupon Type Code	Coupon Type Description
FXAN	Fixed: Annuity
FXDI	Fixed: Discount
FXMF	Fixed: With Multiple Frequencies of Payment
FXPM	Fixed: Pay only at Maturity
FXPP	Fixed: Partly Paid
FXPV	Fixed: Plain Vanilla Fixed Coupon
FRBF	Floating: Bull/Reverse Floating Rate
FRFF	Floating: Fixed then Floating
FRFX	Floating: Floating then Fixed
FRFZ	Floating: Floating then Zero
FROT	Floating: Floating
FRPM	Floating: Pay at Maturity
FRPV	Floating: Fixed Margin over Index
FRRS	Floating: Floating then Resettable
FRVR	Floating: Floating then Variable
FRZF	Floating: Zero then Floating
FXRS	Fixed: Resettable Coupon
FXRV	Floating: Fixed then Reverse Float
VRFR	Floating: Variable then Float
VRDC	Variable: Deferred Coupon
ZCFX	Strip: Zero then Fixed
ZRFX	Variable: Zero then Fixed
ZRVR	Variable: Zero then Variable
FRSD	Floating: Step Down-Margin over Index
FRSU	Floating: Step Up-Margin over Index
VRGR	Variable: Step Up/Step Down
FXZC	Fixed: Zero Coupon
RGOT	Range: Range
RSFR	Floating: Resettable then Floating
STRP	Strip
TBPD	To Be Priced
CNGT	Contingent
OTH	Other

Appendix 3 - Daily List Update Reason Codes and Descriptions

Update Reason Code	Update Reason Description
<i>blank</i>	<i>No reason given</i>
MOT	Moved from OTCE
DNY	Delisted from NYSE
DAX	Delisted from AMEX
DAR	Delisted from ARCA
DNQ	Delisted from NASDAQ
DEX	Delisted from Exchange
ISV	Ineligible – Sovereign
ICD	Ineligible – CD
ICR	Ineligible – Currency
IMM	Ineligible – Money Market
ITR	Ineligible – Treasury
IAI	Ineligible – Accredited Investor
IRS	Ineligible – Other
BR	Bankruptcy
LIQ	Liquidation
CAL	Called
RED	Redeemed
EXC	Exchanged
CAN	Cancelled
A/M	Acquisition/Merger
MAT	Matured
LNQ	Listed on the NYSE
LAR	Listed on the NYSE ARCA
LAX	Listed on AMEX
LNQ	Listed on NASDAQ
LCB	Listed on CBOE
ROB	Reportable to the OTCBB
RON	Reportable on the OTC NBB
RMS	Reportable to the MSRB
12J	12(j) Registration Revoked by the SEC
RNC	Regulatory Non Compliance
OTH	Other *

*where OTH is used, please refer to the Event Comments field in the file (CMMNT_TX) for additional information.

Programmatic Access Example(curl)

The following is a code excerpt to illustrate how to use the MPP Download site programmatically.

Example using the Foreign Sovereign & Supranational Debt Security Master

```
#!/bin/bash

URL_REFRESH=https://apidownload.finratraqs.org/refresh [apidownload.finratraqs.org]
URL_DOWNLOAD=https://apidownload.finratraqs.org/DownloadHandler.ashx?action=DOWNLOAD&file=SOVNMMASTER&facility=TRACE [apidownload.finratraqs.org]
USER_NAME="Finrausr"
FAILEDSTATUS="HTTP/1.1 401 Token is inactive or expired."
FAILEDREFRESHSTATUS="Refresh Token is invalid or has expired."

update tokens(){
    # Get a new access token
    # install jq command - sudo apt-get install jq
    tmp="$(mktemp)"
    curl -s -X POST --url "${URL_REFRESH}" \
        --header "content-type: application/x-www-form-urlencoded" \
        --data
"username=${USER_NAME}&refresh_token=${refresh_token}" > "${tmp}"

    read failedrefreshstatus <<(cat "${tmp}" | tr -d '\r')

    #check if refresh token is invalid
    if [ "${failedrefreshstatus}" = "${FAILEDREFRESHSTATUS}" ] ; then

        echo "${failedrefreshstatus}"
        echo ""
        exit 1
    fi

    read refresh_token <<( cat "${tmp}" | jq .refresh_token | tr -d '"' )
    read access_token <<( cat "${tmp}" | jq .access_token | tr -d '"' )
    #echo "${refresh_token}" > refresh_token.txt

    echo "Requested new access token cached"
    echo ""

    echo "${access_token}" > access_token.txt
    rm -f "${tmp}"
}

# The Refresh Token
read refresh_token < refresh_token.txt

echo "Your refresh token is ${refresh_token}"
echo ""

# The Access Token
access_token=""

if [ -f "access_token.txt" ]; then
    read access_token < access_token.txt
fi
```

```

echo "Your current access token: ${access_token}"
echo ""

if [ -z "${access_token}" ]; then
    echo "No cached access token; getting new access token!"
    echo ""

    update_tokens
    read access_token < access_token.txt

    echo "Your new access token: ${access_token}"
    echo ""
fi

tmp="$(mktemp)"

echo "Validating access token..."
echo ""

#get curl header status for token validity
httpstatus=$(curl -s -I --url "${URL_DOWNLOAD}" \
    --header "Authorization: Bearer ${access_token}" \
    | awk 'NR==1{print $0} END {print $0}' | tr -d '\r')

#echo "$httpstatus" > httpstatus.txt
#echo "$FAILEDSTATUS" > failedstatus.txt

#check if token is invalid
if [ "${httpstatus}" = "${FAILEDSTATUS}" ] ; then

    echo "Invalid/expired access token, requesting new access token!"
    echo ""

    update_tokens
    read access_token < access_token.txt

    echo "Your new access token: ${access_token}"
    echo ""
fi

echo "Request download with access token!"
echo ""

#download file (this uses option -OJ, getting the file name from the content-disposition
# if file exists, this will fail.)
curl -s -OJ -X POST --url "${URL_DOWNLOAD}" \
    --header "Authorization: Bearer ${access_token}" \
    --data "username=${USER_NAME}"

ls -lrt

#cat "${tmp}"
rm -f "${tmp}"

```

Programmatic Access Example (C#, .NET)

The following is a code excerpt to illustrate how to use the MPP Download site programmatically. If you are going to access the site with an application the first step is to download the NWSF client certificate using your web browser. Install it in the browser then export the certificate from the browser, saving the certificate to a location on the machine as an X905 certificate (.cer).

Example using the CA Security Master:

```
string Action = "DOWNLOAD";
string file = "CAMASTER";
string facility = "TRACE";

string site = "https://download.finratrags.org/DownloadHandler.ashx";
string query = string.Format("{0}?action={1}&file={2}&facility={3}", site,
                             Action, file, facility);

// Create request
HttpRequest webRequest = WebRequest.Create(query) as HttpRequest;

// Get cert and add to request
X509Certificate Cert =
    X509Certificate.CreateFromCertFile("C:\\MPP\\cert\\mpp_cert.cer");

webRequest.ClientCertificates.Add(Cert);
webRequest.Method = "GET";

// Add nwsf user/password to request

NetworkCredential nwCredentials = new NetworkCredential("user", "pwd");
webRequest.Credentials = nwCredentials;

// Make the request
HttpWebResponse Response = (HttpWebResponse)webRequest.GetResponse();

// Fiddle with the header in the response to get the file name
int pos = Response.Headers["Content-Disposition"].IndexOf("TRACE");
string Filename = Response.Headers["Content-Disposition"].Substring(pos);

// Create a file to save it in ..
StreamWriter sw = new StreamWriter("C:\\MPP\\files\\" + Filename, false);

StreamReader sr = new StreamReader(Response.GetResponseStream(),
                                   Encoding.Default);
int cnt;
char [] ReadBuf = new char[1024];

while ((cnt = sr.Read(ReadBuf, 0, 1024)) != 0)
{
    sw.Write(ReadBuf);
}
```