End-of-Day Pricing File Specification

Version 1.7

April 2019

Change history

4/23/2019	Version 1.7 – Addition of the Expert Market Tier
11/20/2017	Version 1.6 – Removed 'OTC' from OTC Tier values for Pink Tiers
02/09/2016	Version 1.5 – Addition of Shares Outstanding and Shares Outstanding As Of Date
08/29/2011	Version 1.4 – Addition of Best Bid and Best Ask fields
01/07/2011	Version 1.3 – Company, tier name changes
05/20/2010	Version 1.2 - Addition of TierID field
04/15/2010	Version 1.1 - OTCQB tier changes
02/13/2009	Version 1.0 – Initial version

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1 End-of-Day File

1.1 Overview

The OTC Markets Group End-of-Day Pricing File provides comprehensive closing trade and quote data for the U.S. OTC equity market. In addition to trade and quote data the file includes important security attribute information which is unique to the OTC Marketplace. Key fields include:

- Caveat Emptor – An OTC Markets Group designation that notes that there is a public interest concern associated with the company, which may include a spam campaign, questionable stock promotion, known investigation of fraudulent activity committed by the company or insiders, regulatory suspensions, or disruptive corporate actions.

- OTC Tier –OTC Markets Group categorizes all securities trading over-the-counter into easily identifiable tiers that inform investors whether an issuer has made adequate public information available in a timely manner.

- DAD/PAL – OTC Markets Group requires that all OTCQX companies assign either a Designated Advisor for Disclosure (DAD), for primary listings, or a Principal American Liaison (PAL), for cross-listings, to aid them in the disclosure and listing process.

End-of-Day files are made available twice daily – at ~4:15 and 9:15 PM EST – on every trading day. The 9:15 file will account for all trade cancels and corrections effected during the trading day. File types and delivery methods are outlined in section 1.2 and 1.4.

1.2 File Types

End-of-Day files will be made available to customers in pipe delimited format. Files will be created on every trading day at ~4:15 and 9:15 PM EST. The 9:15 file will contain 'corrected' data that may not have been included in the 4:15 file due to timing considerations.

End-of-Day files will be created with and without the cusip field included[1]. End-of-Day file naming convention is as follows:

- CUSIP included: eod_YYYYMMDD_HHMMSS.txt

- CUSIP not included: eod_YYYYMMDD_HHHHMMSS_nocusip.txt

File names use Eastern Standard Time and military formatting.

The first row of the pipe delimited file includes column labels. File size is approximately 5MB.

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[1] CUSIP is a unique nine-character alphanumeric code appearing on the face of each stock or bond certificate that is assigned to a security by Standard & Poor's Corporation. CUSIP numbers are the property of the American Bankers Association (ABA) and are administered by Standard & Poor's. Since OTC Markets Group neither owns nor controls CUSIP numbers, distributors cannot be authorized to receive the daily list or fundamental data files including CUSIP data unless they have a daily license in place with CUSIP. Distributors please note: OTC Markets Group is not responsible for obtaining written approval from CUSIP prior to authorizing data distributors to externally redistribute CUSIP data; it is the responsibility of the data distributor to obtain such CUSIP permission for their downstream customers.

1.3 File Data Elements

Data Element	Description	Data Type
Security ID	OTC Markets Group unique identifier for security	Integer
Company ID	OTC Markets Group unique company identifier for security.	Integer
Trading Symbol	US markets symbol	Char(10)
CUSIP Number	S&P Unique Security Identifier. This field will only be populated in the 'cusip' file. The 'no cusip' file will not contain the cusip field.	Char(9)
Security Name (Issue)	OTC Markets Group supplied name for security	Char(50)
Trading Venue	US trading venue	Char(20)
Security Type	Security Type (e.g. common, unit, warrant)	Varchar(75,0)
Security Class	Security Class (e.g. A, B, K)	Char(1)
Caveat Emptor Flag	Caveat Emptor (Buyer Beware) Flag – definition in appendix	Char(1)
OTC Tier	OTC Market Tier – tier details outlined in appendix	Varchar(100,0)
DAD/PAL Sponsor	OTCQX company sponsor. This value will only be populated where OTC Tier is QX.	Varchar(75,0)
Closing (Last) Inside Bid	Closing bid for trading day or last day a closing inside bid was available. An inside price requires at least 2 priced quotes on the respective side of the market. If there is only 1 priced quote for a security for a day then an inside price will not be recorded. The 'Best Bid/Ask' fields will capture this data.	Decimal(11,5)
Closing (Last) Inside Bid Date	Date of last inside bid	Date
Closing (Last) Inside Ask	Closing inside ask for trading day or last day a closing inside ask was available. An inside price requires at least 2 priced quotes on the respective side of the market. If there is only 1 priced quote for a security for a day then an inside price will not be recorded. The 'Best Bid/Ask' fields will capture this data.	Decimal(11,5)
Closing (Last) Inside Ask Date	Date of last inside ask	Date
Closing Mid-Price	Closing Mid-Price for last day where closing inside bid and inside ask were present. If both values are not available then field will be left blank (null).	Decimal(11,5)
Price Open	Opening trade for security for trading day.	Decimal(11,5)
Price High	Intraday High for security for trading day.	Decimal(11,5)
Price Low	Intraday Low for security for trading day.	Decimal(11,5)

Price Last	Closing Price (last sale) for security for trading day.	Decimal(11,5)
Previous Close Price	Previous Day's closing price. If no trades occurred on last trading day then price will reflect most recent 'previous' close. If there are no previous trades then no value (null) will appear.	Decimal(11,5)
Previous Close Date	Date of previous Day's closing price. If no trades occurred on last trading day then date will reflect most recent 'previous' close. If there are no previous trades then no value (null) will appear.	Date
Share Volume	Total share volume reported for security for trading day	Int8
Dollar Volume	Total dollar volume reported for security for trading day	Decimal(30,20)
Trade Count	Total trade count reported for security for trading day	Integer
OTC Link Share Volume	Total OTC Link (OTC Markets Group's trade execution system) share volume for security for trading day	Int8[2]
OTC Link $ Volume	Total OTC Link (OTC Markets Group's trade execution system) dollar volume for security for trading day	Decimal(30,20)
OTC Link Trade Count	Total OTC Link (OTC Markets Group trade execution system)trade count for security for trading day	Integer
Reg SHO Status Flag	Notes whether security is on Reg SHO list for current trading day. Reg SHO only applies to 'reporting' securities. http://www.otcmarkets.com/marketActivity/reg-sho-otc	Char(1)
Rule 3210 Status Flag	Notes whether security is on Rule 3210 list for current trading day. Rule 3210 applies to all non-reporting OTC securities. http://www.otcmarkets.com/marketActivity/reg-sho-otc A security cannot have a Yes value for both Reg SHO and Rule 3210 due to the fact that one list is for reporting companies and the other is not.	Char(1)
Short Interest shares	Number of shares sold short for security. This number is as of the effective date noted below.	Int8[1]
Short Interest as of date	Effective date for shares sold short value.	Date
Number of Market Makers	Number of Market Makers for respective security. Number includes all Market Makers that were quoting the security (priced and unpriced) throughout the trading day. Quotes from OTC Bulletin Board will be considered.	Integer
Bona Fide Continuous (BFC)	Number of Market Makers with two-sided priced quotes at the close for security. Quotes from OTC Bulletin Board will be considered.	Integer
Tier ID	OTC Tier identifier **Tier ID** | **Tier Name**	Integer

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[2] The Int8 data type may not be necessary depending on the amount of volume. Integer may be a better use of space/resources until volume numbers exceed the Integer parameters.

	5	OTCQX International Premier
	1	OTCQX U.S. Premier
	6	OTCQX International
	2	OTCQX U.S.
	10	OTCQB
	20	Pink Current
	21	Pink Limited
	22	Pink No Information
	11	FINRA BB Only
	30	Grey Market
	40	Expert Market

Field	Description	Type
Closing Best Bid	Closing best bid for trading day. The 'Best Bid/Ask' field does not have a requirement for 2 priced quotes on the respective side. If there is only 1 priced quote then the value will appear in this field while it will **NOT** appear in the inside price field.	Decimal(11,5)
Closing Best Bid Date	Date of best bid. This will always be current trading day.	Date
Closing Best Bid Source	Source quotation system for best bid. If same price is available in both OTC Link and the OTC Bulletin Board then 'OTC Link' will be displayed.	Varchar(25,0)
Closing Best Ask	Closing best ask for trading day. The 'Best Bid/Ask' field does not have a requirement for 2 priced quotes on the respective side. If there is only 1 priced quote then the value will appear in this field while it will **NOT** appear in the inside price field.	Decimal(11,5)
Closing Best Ask Date	Date of best bid. This will always be current trading day.	Date
Closing Best Ask Source	Source quotation system for best ask. If same price is available in both OTC Link and the OTC Bulletin Board then 'OTC Link' will be displayed.	Varchar(25,0)
Security Status	Security Status – Possible values include: **Status Value** / **Status Description** Active / Active, freely trading security Suspended / SEC suspension Halted / FINRA halt Internal Halted / Internal OTC Markets halt Revoked / SEC revocation	Varchar (20,0)
Total Shares Outstanding	Shares outstanding for respective security	Decimal (16,1)
Total Shares Outstanding as of date	Share outstanding as of date	Date

1.4 File Delivery

End-of-Day Files will be made available to customers via FTP. Files will be placed in a directory entitled 'eod' (End of Day) at 4:15 and 9:15 on trading days.

Files will be kept on the ftp server for one month. For historical End-of-Day files, please email marketdata@otcmarkets.com and note 'End-of-Day File' in the subject line.

FTP url: ftp://ftp.otcmarkets.com

Username and Passwords will be supplied by an OTC Markets Group account representative.

1.5 Customer Support

If you have any issues regarding the End of Day file data or delivery, please contact us using the below information:

Data Delivery – Technical Questions

Email: techsupport@otcmarkets.com

Telephone: 212.896.4411

Data Quality – Historical Data

Email: marketdata@otcmarkets.com

Appendix

OTC Tiers

Additional details regarding OTC Tiers and disclosure categories may be found at:

https://www.otcmarkets.com/learn/otc-market-tiers

Tier	Description
OTCQX International Premier	The highest tier for international exchange listed companies that are able to meet the financial qualifications of the NYSE's Worldwide Listing Standards. International Premier provides a mechanism for companies to make their home country disclosure available in English to U.S. investors rather than via duplicative SEC reporting requirements.
OTCQX U.S. Premier	The highest tier for U.S. companies that trade over-the-counter, Premier identifies issuers that are able to meet the financial requirements of NASDAQ's Capital Market continued listing standards. U.S. Premier provides a credible disclosure process for companies that choose not to be SEC-reporting or, for SEC reporting companies, a more reputable platform for growth or a springboard to a NASDAQ listing.
OTCQX International	This tier identifies those companies that are listed on an international exchange but are not of sufficient size to list on International Premier.
OTCQX U.S.	Identifies issuers that have ongoing business operations with audited financials and management review, but not of sufficient size to be on U.S. Premier.
OTCQB	The OTCQB market tier helps investors easily identify companies that are Registered and current in their reporting obligations with the SEC or report to a U.S. banking or insurance regulator. OTCQB securities are quoted on OTC Market Group's quotation and trading system and some may also be quoted on FINRA's BB system.
Pink Current	Companies that follow the International Reporting Standard or the Alternative Reporting Standard by making filings publicly available through the OTC Disclosure & News Service pursuant to OTC Markets Group Guidelines for Providing Adequate Current Information (pdf) are designated as Pink Current. The Current Information category is based on the level of disclosure and is not a designation of quality or investment risk. This category includes shell or development stage companies with little or no operations as well as companies without audited financials and as such should be considered extremely speculative by investors
Pink Limited	Designed for companies with financial reporting problems, economic distress, or in bankruptcy to make the limited information they have publicly available. The Limited Information category also includes companies that may not be troubled, but are unwilling to meet OTC Markets' Guidelines for Providing Adequate Current Information. Companies in this category have limited financial information not older than six months available on the OTC Markets News Service or have made a filing on the SEC's EDGAR system in the previous six months.

Pink No Information	Indicates companies that are not able or willing to provide disclosure to the public markets - either to a regulator, an exchange or OTC Markets Group. Companies in this category do not make Current Information available via OTC Markets News Service, or if they do, the available information is older than six months. This category includes defunct companies that have ceased operations as well as 'dark' companies with questionable management and market disclosure practices. Publicly traded companies that are not willing to provide information to investors should be treated with suspicion and their securities should be considered highly risky.
FINRA BB Only	This security is quoted solely on FINRA's BB quotation system.
Grey Market	There are no market makers in this security. It is not listed, traded or quoted on any stock exchange, the FINRA BB or OTC Link. Trades in grey market stocks are reported by broker-dealers to their Self Regulatory Organization (SRO) and the SRO distributes the trade data to market data vendors and financial websites so investors can track price and volume. Since grey market securities are not traded or quoted on an exchange or interdealer quotation system, investor's bids and offers are not collected in a central spot so market transparency is diminished and Best Execution of orders is difficult.
Expert Market	Private market to serve broker-dealer pricing and best execution needs in securities that are restricted from public quoting or trading. Restrictions can be based on issuer requirements, security attributes, investor accreditation and/or suitability risks.

Caveat Emptor

Caveat Emptor (Buyer Beware)	Buyer Beware. There is a public interest concern associated with the company, which may include a spam campaign, questionable stock promotion, known investigation of fraudulent activity committed by the company or insiders, regulatory suspensions, or disruptive corporate actions. During the time it is labeled Caveat Emptor, any stock that is not in the Current Information category will also have its quotes blocked on otcmarkets.com.