

WORLDSCOPE FILE SPECIFICATIONS

A GUIDE TO UNDERSTANDING THE TERMS, LAYOUTS AND USE OF THE WORLDSCOPE DATABASE

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OVERVIEW

The Worldscope database is a computer-readable database containing financial and general profiles, fundamental analysis and stock performance data on the world's leading public corporations as well as a number of key private companies.

The objectives of Worldscope are to provide the most comprehensive, accurate and timely data on publicly-quoted (and some private) companies around the world in a manner that allows maximum comparability between one company and another, and between various reporting regimes.

This documentation is intended for use by persons responsible for integrating Worldscope data into the databases of Worldscope customers. It does not replace the general Worldscope DATA DEFINITION GUIDE provided for end users of the database.

MAJOR ADVANTAGES OF WORLDSCOPE

The design of the Worldscope database offers two major advantages over alternate data delivery structures:

- 1) All standardized data is provided fully adjusted for stock splits and stock dividends, so analyses of variables over time do not require referring to adjustment factors.
- 2) The file design easily accommodates the addition of new data items, new years, new time series and new companies, all without any changes to file or record structure.

FILE CONTENT

With the exception of the exchange rate records in the standard file, Worldscope data files are sorted in EBCDIC sequential order. Exchange rate records always appear at the top of the file. The following files are included in delivery:

- Support File: This file provides various look-ups for coded data included either on the Worldscope record or in specific data fields.
- Count File/Support File: This file contains the total number of records, the number of add records, the number of delete records and the number of update records contained in the Support File. Also included in this file is the date and time when the data was extracted from the database.
- Header File: This file was designed to eliminate the need for a pre-scan of the standard file to define specific properties of the Worldscope Identifiers (i.e. entity type, region). It contains specific identifying information on all of the identifiers included in the standard file. Header transaction files contain the standard "update", "add" and "delete" transactions. In addition, records that are unchanged since the last transaction set are also included.

Note: It is not a requirement to load the header file since all transactions (adds, updates, deletes) are also included in the standard file.

- Count File/Header File: This file contains the total number of records, the number of add records, the number of delete records, the number of update records and the number of unchanged records contained in the Header File. Also included in this file are the date and time when the data was extracted from the database.

- Standard File: This data file contains Worldscope standardized data on companies/securities, as well as information on stock indices and exchange rates. The order of the Worldscope Identifiers in this file is alphabetical/numeric and so is provided as follows:

- a) Exchange Rate Identifiers
- b) Non-U.S. Company/Security Identifiers
- c) Stock Index Identifiers
- d) U.S. Company/Security Identifiers

Note: Individual security identifiers for non-U.S. companies immediately precede their appropriate company identifier. Since CUSIP (or derived identifier based on CUSIP for the primary issue) is used for the security identifiers for U.S. companies these may either precede or follow the company identifier. See enclosed section on Worldscope Identifiers for further information.

- Count File/Standard File: This file contains the total number of records, the number of add records, the number of delete records and the number of update records contained in the Standard File. Also included in this file is the date and time when the data was extracted from the database.

DATA DELIVERY

Data delivery is transaction based following an initial full load. After the initial delivery of the database, full loads will only be scheduled once a year. Clients may make special arrangements for an unscheduled full load. Weekly and monthly full loads are not delivery options.

Full Loads

Header/Standard Files

- Media: CD
- Format: ASCII with CR/LF at the end of each record. All files on the CD are zipped files
- CD Capacity: 650 Meg
- Number of CDs: 7 CDs
- Number of Data Files: 27 files (1 Header File, Exchange Rate/Index File, 15 International Data Files, 10 USA Data files)
- Record Length: Variable Length records (*Note: The maximum record length is 32,053 bytes*)

Support File

- Number of Support Files: 1 Support File
- Record Length: Variable length record with a maximum of 500 bytes

Count Files

- Number of Count Files: 5 (1 Header Count File, 1 Exchange Rate/Index Count File, 1 International Data Count File, 1 USA Data Count File, 1 Support Count File)
- Record Length: 40 bytes fixed length record

File Layout - Full Loads on CD

Full Loads of Worldscope are provided on 7 CDs. The list of files and file names on the CDs are as follows:

<u>File</u>	<u>File Name</u>
Support File	SupportD.zip
Support Count File	Support.cnt
Header File	HeaderD.zip
Header Count File	Header.cnt
Exchange Rates/Index File	EXI-01.zip
Exchange Rates/Index Count File	EXI.cnt
INTL Count File (for files INTL-01 thru INTL-015)	INTL01-15.cnt
USA Count File (for files USA-01 thru USA-10)	USA01-10.cnt
International Data File 1	INT-01.zip
International Data File 2	INT-02.zip
International Data File 3	INT-03.zip
International Data File 4	INT-04.zip
International Data File 5	INT-05.zip
International Data File 6	INT-06.zip
International Data File 7	INT-07.zip
International Data File 8	INT-08.zip
International Data File 9	INT-09.zip
International Data File 10	INT-10.zip
International Data File 11	INT-11.zip
International Data File 12	INT-12.zip
International Data File 13	INT-13.zip
International Data File 14	INT-14.zip
International Data File 15	INT-15.zip
USA Data File 1	USA-01.zip
USA Data File 2	USA-02.zip
USA Data File 3	USA-03.zip
USA Data File 4	USA-04.zip
USA Data File 5	USA-05.zip
USA Data File 6	USA-06.zip
USA Data File 7	USA-07.zip
USA Data File 8	USA-08.zip
USA Data File 9	USA-09.zip
USA Data File 10	USA-10.zip

Note: The files Header.zip, EXI-01.zip, INT-01.zip thru INT-15.zip and USA-01.zip thru USA-10.zip on the full load are follow the record structure and format for Standard Files. See sections title 'Record Structure – Header and Standard Files' and 'Record Layout – Header and Standard Files' for additional information. See the sections titled 'Record Structure – Support File' and 'Record Layout – Support File' for information for additional information related to the Support File.

Transaction Files

Transaction files are available daily and weekly. All files are available for download via the Worldscope FTP site:

File Format: Zipped - PKZIP (DOS format)

Data Files

- Number of Data Files: 2 (Header, Standard)
 - Record Length: Variable Length records
- Note: The maximum record length is 32,053 bytes)

Count Files

- Number of Count Files: 3 (Support, Header, Standard)
- Record Length: 40 bytes fixed length record

Support Files

- Number of Support Files: 1
- Record Length: Variable length record with a maximum of 500 bytes

Placement of Files on the FTP Site

Daily and Weekly transaction files are placed on the FTP site: ftp.disclosure.com, as soon as they become available. Our target delivery times are as follows:

Daily Transactions

Sunday : 8:00 AM ET Tuesday : 6:00 AM ET Wednesday : 6:00 AM ET
Thursday : 6:00 AM ET Friday: 6:00 AM ET

Weekly Transaction Files

Sunday: 8:00 AM ET

For daily transaction files a late delivery notification would be sent out only if the files will be placed on the FTP site later than 7 AM ET Tuesday to Friday or 9 AM ET Sunday. For weekly transaction files a delivery notification would be sent if the files will be placed on the FTP site later than Sunday 9 AM ET.

Note: From time to time special files may be put in the same directory as the standard transaction files. These files usually contain historical data for new fields added to delivery. A delivery notification regarding these special files and what they contain is sent out prior to the placement of these files on the FTP site.

Transaction File Naming Conventions

The following naming conventions are used for the daily/weekly transaction files placed on the FTP site:

	Daily	Weekly
Header File	WDH-XXXX.zip	WWH-XXXX.zip
Standard File	WDS-XXXX.zip	WWS-XXXX.zip
Support File	WDX-XXXX.zip	WWX-XXXX.zip

Note: XXXX represents the sequence number of the file. This sequence number is the same for all transaction files included in a specific day's or week's transaction set.

RECORD STRUCTURE – HEADER AND STANDARD FILES

Each Worldscope record can logically be divided into three sections:

- Key: Uniquely identifies the data on this record.
- Support Information: Additional information about data.
- Data: Actual value of data item.

Key can subsequently be divided into seven sections:

- Worldscope Identifier
- Year: The fiscal year to which the data applies.
- Time Series - Frequency: Indicates the reporting frequency of the data. A list of all valid time series frequencies is included in the Support File. See the sections titled 'Record Structure – Support File' and 'Record Layout – Support File' for additional information
- Time Series - Frequency Number: Identifies the period which the data represents 001 = First Period, 002 = Second Period, 003 = Third Period, 004 = Fourth Period, etc.
- Field Identifier: An alphanumeric code to indicate the data item (i.e. 01001 is Net Sales/Revenues) is included in the Support File.
Note: It is possible to have more than one record in the file each with a different Time Series
- Frequency and Time Series Frequency Number but with the same field identifier, with each record representing a different time period.
- Note ID: A four character code which will identify a text note about the data item the KEY defines (when this section is not blank, this record DOES NOT contain the data).
- Sequence: For some data items more than one record may be needed to complete the text data. Thus, every record KEY tells which record in the sequence it is (always 1 for a single record item).

Support Information can subsequently be divided into six sections:

- Sequence Total: Gives the count of all the records in this sequence (see "SEQUENCE" above).
- Data Type: A = Alphanumeric, N = Numeric, L = Note
- Transaction Type: space = Unchanged, A = Add, D = Delete, U = Update
Note: It is recommended that both 'Add' and 'Update' records be processed in the same manner. If a record with the same key already exists on your database update it, if not insert it.
- Support File Reference: If this section is filled in it directs the user to a section of the support file where a look up needs to be performed on the data value.

- **Data Date:** The date to which the data applies (i.e. if a company's fiscal year ends on January 30, then the data date for fourth quarter earnings would be January 30 of that year).
Note: This section is not yet fully supported.
- **Data can be delivered two ways:** If the DATA TYPE = A or L, the entire DATA section will contain the text string which is the value of this data item. OR If DATA TYPE = N the DATA SECTION contains the following items:
- **Data Value:** The data itself, with five implied decimal digits.
Note: All data in this field prior to the adoption of the EURO by the Euro-in countries (Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Slovenia and Spain) has been converted from the legacy values utilizing the 6 digit fixed exchange rate for each country at the date of adoption of the EURO
- **Magnitude:** A positive or negative power of ten by which the DATA VALUE must be multiplied to obtain the proper value.
- **Currency of Reported Data:** The ISO currency code representing the currency the data is reported in. Available only when an Alternate Currency Value is provided.
Note: This field indicates the currency of the data originally reported for countries where both a default currency and alternate currency are provided. Currently, this is only used for Euro-in countries to indicate whether the data was reported in legacy or Euro. It will not be supported, along with the alternate currency field, for data periods subsequent to December 31, 2003 for Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal and Spain and subsequent to 2006 for Slovenia.
- **Alternate Currency Field:** The data value in a currency other than the currency of the country where the entity is domiciled.
Note: This is currently only used to provide legacy currencies for the Euro-in countries. As noted above it will not be supported for data periods subsequent to December 31, 2003 for Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal and Spain and for time periods subsequent to 2006 for Slovenia.
- **Magnitude (Alternate Currency Field):** A positive or negative power of ten by which the ALTERNATE CURRENCY DATA VALUE must be multiplied to obtain the proper value.

RECORD LAYOUT – HEADER AND STANDARD FILES

Key Section:

BYTE #	LENGTH	TYPE	NAME OF SECTION
1	9	Alphanumeric	Worldscope Identifier
10	4	Numeric/Spaces	Year
14	1	Alphanumeric	Time Series - Frequency
15	3	Numeric	Time Series – Frequency Number
18	5	Alphanumeric	Field Number
23	4	Alphanumeric	Note Link
27	3	Numeric (1)	Record Sequence

Support Information Section:

BYTE#	LENGTH	TYPE	NAME OF SECTION
30	3	Numeric (1)	Sequence Total
33	1	Alphanumeric	Data Type
34	1	Alphanumeric	Transaction Type
35	1	Alphanumeric	Support File Reference
36	8	Numeric (2)	Data Date
44	8		***Reserved***

Data Section (if Data Type = A or L):

The entire data section will contain the text string which is the value of this data item. Trailing spaces for all records have been removed.

Data Section (if Data Type = N):

BYTE#	LENGTH	TYPE	NAME OF SECTION
52	19	Numeric with sign (3)	Data Value
71	3	Numeric with sign (4)	Magnitude
74	18		***Reserved***
92	3	Alphanumeric	Currency of Reported Data
95	19	Numeric with sign(3)	Alternate Currency Data Value
114	3	Numeric with sign(4)	Magnitude(Alternate Currency)

Footnotes:

- 1: Unsigned numeric value with leading zeroes
- 2: Date in the format YYYYMMDD, note that this field is not fully supported
- 3: Numeric value with separate leading sign and leading zeroes, with five digits after the assumed decimal point
- 4: Numeric value with separate leading sign and leading zeroes

RECORD LAYOUT – COUNT FILES/SUPPORT, HEADER, AND STANDARD FILE

A count file containing the total records and a breakdown of total add, delete, and update records is provided immediately following each of the data files (Support, Header and Standard files) in each transaction set. Also included in these files is a date and time indicating when the data was extracted from the database. A total of three count files are included in each transaction set. In addition to the number of add, delete and update records the Header count file also contains the number of unchanged records.

The record layout for each count file is as follows:

BYTE#	LENGTH	TYPE	NAME OF SECTION
1	30	Alphanumeric	Description
31	10	Numeric	Number of Records

Note: There are no assumed decimal places in the Number of Records.

RECORD STRUCTURE - SUPPORT FILE

The support file is a single file of supplemental information that is useful in the processing of the Worldscope database.

This file contains eight different sections or support file references each represented by a different record type. The support file reference is included in the data file records and is used to direct the user to the specific section of the support file where a lookup on the data value needs to be performed.

The support file contains a collection of records with each record type having its own unique key. The support information along with the key will vary with each record type. The record structure for each section of the support file is described below.

A: Accounting Standards/Data Update Indicator/ Indicator-Restated Data Exists/ Indicator-Restatement Reason Code/Indicator – Restatement Type/Industry/Industrial Classification (ICB) Code/Entity Type/General Industry Classification

Key can be divided into three sections:

- Record Type: A
- Field Identifier: An alphanumeric code used to indicate the data item.
- Data Value: The data value contained on the data record.

Support Information can be divided into two sections:

- Transaction Type: A=Add, D = Delete, U = Update
- Expanded Text: A textual description of the data value found on the data record.

C: SIC Codes

Key can be divided into two sections

- Record Type: C
- Data Value: Indicates the numeric SIC code found on the data record.

Support Information can be divided into two sections:

- Transaction Type: A=Add, D=Delete, U=Update
- SIC Code: A textual description of the numeric code found on the data record.

D: Stock Exchanges/Stock Indexes/Region/Depositary Banks

Key can be divided into three sections

- Record Type: D
- Field Identifier: An alphanumeric code used to indicate the data item.
- Position in Data: Each byte (position in data) in the data value portion of the data record corresponds to a specific stock exchange, stock index, region or depositary bank. An “X” in any of these bytes represents inclusion in the stock exchange, stock index, region or depositary bank.

Support Information can be divided into three sections:

- Transaction Type: A=Add, D=Delete, U=Update
- Position Meaning Abbreviation: A textual abbreviation, if available, of the stock exchange, stock index, region or depositary bank represented by a specific byte in the data value section of the data record.
- Position Meaning: A textual description, if available, of the stock exchange, stock index, region or depositary bank represented by a specific byte in the data value section of the data record.

E: Standard Note Text

Key can be divided into three sections:

- Record Type: E
- Field Identifier: An alphanumeric code used to indicate the data item
- Note Link: A one to four character note which provides information about the data provided in a specific field.

Support Information can be divided into two sections:

- Transaction Type: A=Add, D=Delete, U=Update
- Standard Note Text: A textual description of the note link.

Note: A note can have “non-standard” text that would not be provided in this section. Please see the section titled “Worldscope Note Format” for additional information. In addition, the entire note (both standard and non-standard portions) is included in the data file. Standard note text is provided in the support files for those users who would like to save space by not storing the standard text of the note with the data.

F: Country Information

Key can be divided into two sections:

- Record Type: F
- Country Code: A three character code used to represent the countries included in e Worldscope database.

Support Information can be divided into eleven sections:

- Transaction Type: A=Add, D=Delete, U=Update
- ISO Country Code: The three letter ISO code representing the country
- ISO Currency Code: The three letter ISO code representing the country's currency.
- Country Abbreviation: A textual abbreviation of the country represented by the country code.
- Country Name: Name of the country represented by the country code.
- Language: The official language of the country represented by the country code.
- Currency: The official currency of the country represented by the country code
- Display Flag For Rounding: Only for users who wish to display rounded numeric data. If data is available in this field it is recommended that data for companies represented by the country code be displayed in billions and not millions.
- Date Joined The EMU: The date the country joined the European Monetary Union.
- Alternate Currency ISO Code: The three letter ISO code representing the currency of the data found in the Alternate Currency field on the data record.
- Alternate Currency Description: The description of the currency found in the alternate currency field.

0: Field Section

Key can be divided into three sections:

- Record Type: 0
- Field Identifier: An alphanumeric code used to indicate the data item.
- Description Code: Indicates alternate descriptions of variable used by the company in their financial statements.

Support Information can be divided into fourteen sections:

- Transaction Type: A=Add, D = Delete, U = Update
- Field Type: 01=Standardized data.
- Data Type: A=Alphanumeric, N=Numeric
- Frequency: C=Current; H=Historic
- Split Process Flag/Operand: This field indicates whether or not the field is subject to adjustment for capital changes. Data in this field is the operand used to adjust the data on Worldscope ("*" = multiply, "/" = divide). Note that the operand reflected utilizes the reciprocal of the cumulative adjustment factors provided in fields 05576 Stock Split Dividend Ratio and 05575 Stock Split Dividend Ratio – Fiscal to adjust the values provided.
- Alphanumeric Field Length: Indicates the total possible bytes for an alphanumeric field.

- Field Name (55): A fifty-five character description of the field number.
- Field Name (30): A thirty character description of the field number.
- Field Name (20): A twenty character description of the field number.
- Field Name (10): A ten character description of the field number.
- Field Name (5): A five character description of the field number.
- Units Id: This section will supply specific information about the type of data represented by the field number. A “1” in this field denotes a currency item which is not defined as U.S. dollar.
- Industries: An “X” in a specific byte in this section indicates the availability of the field for a specific industry:

BYTE	IINDUSTRY
1	Industrial
2	Utilities
3	Transportation
4	Banks
5	Insurance
6	Other Financial

- Time Series: Currently not supported, this section will supply specific information relating to the availability of times series information for the field.
- Special Flags: Currently not supported, this section will supply specific information about the availability of the field other than industry availability.

3: Time Series Frequency Codes

Key can be divided into two sections:

- Record Type: 3
- Time Frequency Code: Indicates the time frequency of the data.

Support Information can be divided into two sections:

- Transaction Type: A=Add, D = Delete, U = Update
- Time Frequency: A description of the code found in the time frequency code section of the record.

SUPPORT FILE – RECORD LAYOUT

The support file provides various look-up tables for coded data included in the Worldscope database. This file is included with all Worldscope data deliveries.

A: Accounting Standards/Data Update Indicator/ Indicator-Restated Data Exists/ Indicator-Restatement Reason Code/Indicator – Restatement Type/Industry/Industrial Classification (ICB) Code/Entity Type/General Industry Classification

BYTE#	LENGTH	TYPE	NAME OF SECTION
1	1	Alphanumeric	Record Type
2	1	Alphanumeric	Transaction Type
3	5	Alphanumeric	Field Identifier
8	4	Alphanumeric	Data Value
12	90	Alphanumeric	Expanded Text

C: SIC Codes

BYTE#	LENGTH	TYPE	NAME OF SECTION
1	1	Alphanumeric	Record Type
2	1	Alphanumeric	Transaction Type
3	4	Alphanumeric	SIC Code
7	80	Alphanumeric	SIC Code Text

D: Stock Exchanges/Stock Indexes/Region/Depository Bank

BYTE#	LENGTH	TYPE	NAME OF SECTION
1	1	Alphanumeric	Record Type
2	1	Alphanumeric	Transaction Type
3	5	Alphanumeric	Field Identifier
8	4	Numeric	Position in Data
12	10	Alphanumeric	Position Meaning Abbreviation
22	50	Alphanumeric	Position Meaning

E: Standard Note Text

BYTE#	LENGTH	TYPE	NAME OF SECTION
1	1	Alphanumeric	Record Type
2	1	Alphanumeric	Transaction Type
3	5	Alphanumeric	Field Identifier
8	4	Alphanumeric	Note Link
12	120	Alphanumeric	Standard Note Text

F: Country Information

BYTE#	LENGTH	TYPE	NAME OF SECTION
1	1	Alphanumeric	Record Type

2	1	Alphanumeric	Transaction Type
3	3	Numeric	Worldscope Nation/Currency Code
6	3	Alphanumeric	ISO Country Code
9	3	Alphanumeric	ISO Currency Code
12	3	Alphanumeric	Country Abbreviation
15	20	Alphanumeric	Country Name
35	15	Alphanumeric	Language
50	25	Alphanumeric	Currency
75	1	Alphanumeric	Display Flag for Rounding
76	8	Alphanumeric	Date Joined the EMU
84	3	Alphanumeric	Alternate Currency ISO Code
87	25	Alphanumeric	Alternate Currency Description

0: Field Information

BYTE#	LENGTH	TYPE	NAME OF SECTION
1	1	Alphanumeric	Record Type
2	1	Alphanumeric	Transaction Type
3	5	Alphanumeric	Field Identifier
8	2		***Reserved***
10	3	Alphanumeric	Description Code
13	2	Alphanumeric	Field Type
15	1	Alphanumeric	Data Type
16	1	Alphanumeric	Frequency
17	1		***Reserved***
18	1	Alphanumeric	Split Process Flag
19	1		***Reserved***
20	5	Numeric	Alphanumeric Field Length
25	55	Alphanumeric	Field Name (55)
80	30	Alphanumeric	Field Name (30)
110	20	Alphanumeric	Field Name (20)
130	10	Alphanumeric	Field Name (10)
140	5	Alphanumeric	Field Name (5)
145	4	Numeric	Units ID
149	10	Alphanumeric	Industries
159	10	Alphanumeric	Time Series (1)
169	40	Alphanumeric	Special Flags (1)

Footnotes:

1: Currently not supported

3: Time Series Frequency Codes

BYTE#	LENGTH	TYPE	NAME OF SECTION
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1	1	Alphanumeric	Record Type
2	1	Alphanumeric	Transaction Type
3	1	Alphanumeric	Time Frequency Code
4	50	Alphanumeric	Time Frequency Text

CURRENCY OF DELIVERED DATA

All financial data is provided in the currency of the domicile country. The currency can be determined utilizing field 06027, which contains the company nation code, and then reading the associated ISO currency code from the Country Information section of the support files (See enclosed section 'Support Files – Record Structure/Record Layout' for additional information). Field 06099 Currency of Document provides the reporting currency of the document from which data was extracted. If a company reports in other than the domestic currency, the data will be converted into the currency of the domicile country. The presence of historic fields 18214 Exchange Rate -Balance Sheet and 18215 Exchange Rate - Income Statement/Cash Flow indicates that the reporting currency was other than the domestic currency. These fields contain the exchange rates that were used to translate the fundamental and associated per share data. They are available at the annual and interim level and can be used to convert the data back to the original reporting currency.

In the case of a change to the domicile currency resulting from a redenomination of the existing currency, all historical financial data is adjusted to reflect the new currency. Prior notification will be provided if this occurs. A recent example is the redenomination of the Venezuelan Bolivar on 1 January 2008. In the case of the adoption of the EURO as the official domicile currency, all historical data will be adjusted to EURO utilizing the 6 digit fixed exchange rate at the date of adoption and associated Country Information will be changed. The historical legacy currency will be maintained under the alternate currency fields. The alternate currency field is supported for data periods December 31, 2003 and prior for Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal and Spain and for data periods December 31, 2006 and prior for Slovenia.

DATE FORMATS

The date format for all date fields is YYYYMMDD. Exceptions to this rule are 18272 Date Company Founded and 18273 Date of Incorporation which may also be provided in the YYYY or YYYYMM format where information may not be available to provide a YYYYMMDD formatted date.

BRAZILIAN COMPANIES/SECURITIES

All per share data for companies/securities with a country code of 076 is shown per 1,000 shares. Shares outstanding provide the actual number; it is not represented per 1000.

TURKISH COMPANIES/SECURITIES

All per share and share data for companies/securities with a country code of 764 is shown per 1,000 shares.

TIME SERIES – FREQUENCY/TIME SERIES - FREQUENCY NUMBER

Worldscope provides Interim or Time Series Financial Statement Information (i.e. Quarterly, Cumulative Quarterly, Semi-Annual), in addition to providing key interim fields on the annual time series. Interim data includes selected Balance Sheet, Income Statement and Cash Flow Information. In general, U.S. interim time series data is available for the 1998 first quarter and subsequent periods and for non-U.S., 2001 first quarter or semi-annual and subsequent periods. It should be noted that both the reporting and detail of interim data varies greatly by country and company. U.S. companies present full quarterly and cumulative quarterly financial statements, in contrast to Emerging Market countries where companies provide little interim data.

The Time Series-Frequency and Time Series-Frequency Number on the record are used to determine the periodicity of the data. For example, data for annual sales would be provided in field 01001 Net Sales/Revenues with a Time Series-Frequency/Time Series-Frequency Number of A001 and data for first quarter sales would also be provided in field 01001 but with a Time Series-Frequency/Time Series-Frequency Number of Q001. It is possible to have the same field/year combination on more than one record for the same company/security with different Time Series-Frequency/Time Series - Frequency Numbers.

The following is a list of Time Series Frequency Codes defined on Worldscope:

Time Series Code (space)	Description
A	Annual
B	Annual restated
C	Quarterly restated
D	Daily
G	Annual U.S. GAAP Data (ADR's only)
H	Quarterly U.S. GAAP Data (ADR's only)
E	Quarterly cumulative restated
F	Semi-annual restated
I	Quarterly-Cumulative U.S. GAAP Data (ADR's only)
J	Adjustment Period
K	Trimestrial restated
L	Cumulative trimestrial restated
M	Monthly
Q	Quarterly
R	Quarterly - Cumulative
S	Semi-Annual
T	Trimester
U	Trimester - Cumulative
W	Weekly

CUSIP CHANGES

U.S. company and security identifiers are changed on Worldscope when a company has a CUSIP change.

Worldscope provides the following data on the "old" CUSIP:

- 1) Company Status (Field 00000): This field contains the following text "CUSIP changed to (new CUSIP); the "C" note attached to this field contains the text "Name changed to (new company name)".
- 2) Ticker Symbol (Field 5601)
- 3) Company Name (Field 6001)

- 4) Entity Type (Field 06100)
- 5) Region (Field 06028)
- 6) Date Added to Product (Field 11516)

Transaction files include delete records for the "old" CUSIP (with the exception of the fields listed above) in addition to add records for the "new" CUSIP.

The data items listed above are provided on the "old" CUSIP for CUSIP changes made on Worldscope subsequent to June 6, 1994.

Companies which have had CUSIP changes can be found by checking for the presence of data in Field 00000 Company Status.

U.S. COMPANIES/SECURITIES

All per share data and ratios derived from the per share data for companies/securities with a country code of 840 is presented on a calendar basis with the exception of data fields that are specifically designated as fiscal in their field name.

RESTATED DATA

Restated data is available for one prior period beginning with January 1, 2005 fiscal periods (2004 restatements provided with 2005 fiscal periods). This data is provided in separate time series. Original accounts data is not overwritten. Amendments due to accounting irregularities are made to the original accounts and are not treated as a restatement.

Notes:

- Per share data in the restated annual series will be provided on a fiscal basis only. Per share fields for U.S. companies currently provided on a calendar basis and related ratios in the annual series content will not be supported in the restated content series. All interim series per share data is currently on a fiscal basis.
- Price and dividend data as well as related ratios will not be included in the restated series content.
- Financial ratios using cross year end values such as growth rates will only be available on the original time series and will use restated data for last year values where restated annual data exists

Characteristics of restated content provided in Worldscope are as follows:

- This data is provided in unique time series and utilizes existing Worldscope fields. Original data will not be overwritten. See the chart below for the time series codes that are utilized to hold restated data.

TYPE OF RESTATED TIME SERIES	CHARACTER
Annual restated	B
Quarterly restated	C
Quarterly cumulative restated	E
Semi-annual restated	F
Trimestrial restated	K
Cumulative trimestrial restated	L

- Indicator fields are included in delivery to facilitate the use of restated content. These indicators will provide information on 1) the availability of restated content for a specific period, 2) the level of restated content available, 3) restatement type and 4) reason for restatement. These fields are as follows:

FIELD	FIELD DESCRIPTION
11556	Indicator- Restated data exists
11557	Indicator – Restatement type
11558	Indicator – Early Release
11559	Restatement Reason Code

Indicator – Restated Data Exists (Field 11556)

Indicator – Restated data exists indicates that restated time series content is available for a period. This indicator is populated on the original accounts data (content contained in Time Series Frequency codes A, Q, R, S, T, U) for the period restated data has been provided.

- If 11556 = 1, restated data exists
- If 11556 = 2, restated data exists and is now provided in the quarterly (Q & R) series

Example: If year 2004 Time Series Frequency A001 has a value of 1 in WS field 11556, then year 2004 Time Series Frequency B001 will contain restated content. If year 2004 S001 has a value of 2 in WSC field 11556, then year 2004 Time Series Frequency C001 and C002 will contain restated accounts. This is the case where a company has switched from semi-annual to quarterly reporting.

Indicator – Restatement Type (Field 11557)

Indicator – Restatement Type indicates if the restated data provided is Restated or Revised. Restated is defined as a change/event that occurred subsequent to the annual period for which the interim or annual restatement is provided. Revised is defined as a change/event which occurred within the annual period in which the interim is a part of. This indicator is provided on the Restated Times Series Frequency codes (B, C, E, F, K, and L)

- If 11557 = 1, data is restated
- If 11557 = 2, data is revised

Example 1: A company switches to a new accounting standard from the first interim period for fiscal year 2005. WSC field 11557 on the restated annual and interim time series for 2004 is then 1.

Example 2: A company switches to a new accounting standard with the publication of the annual report for fiscal year 2004. WSC field for 11557 on the restated interim time series for 2004 is then 2.

Example 3: A company restates its first quarter when releasing second quarter results for 2005. WSC field for 11557 on the 2005 restated quarter for 2005 is then 2.

Indicator – Early Release (Field 11558)

Indicator – Early Release indicates if the company has announced restated data early i.e. prior to the publication of comparative data in the next period financial report. Data may be unaudited. The existing accounting standard field

(07546) can be used to identify if the restated data is audited. In some cases, only key data may be provided. This indicator was added to support the transition period for IFRS changes.

- If 11558 = 1, only a selection of key items have been provided by the company on a restated basis
- If 11558 = 2, a company has released a full detail restatement prior to publication of comparative data in the next period financial report

This indicator is provided on the Restated Times Series Frequency code (B)

Restatement Reason Code (Field 11559)

Restatement Reason Code provides standardized coding for identifying the general reason restated accounts have been provided. Only one code is provided.

- 1 – Where the accounts are restated due to Discontinued Operations, Spin-offs or de-mergers.
- 2 – Where the accounts are restated due to the adoption of a new accounting policy or policies related to specific item or items
- 3 – Where the accounts are restated due to Acquisition/Mergers
- 4 – Where the accounts are restated due to a change in accounting GAAP followed by the company
- 5 – Where the accounts are restated due to change in accounting GAAP followed together with other events
- 6 – Where the accounts are restated due to multiple events
- 7 – Where the accounts are restated due to reasons other than those noted above

Existing field 07536 (accounting standards followed) can be used to identify the GAAP standard followed. Code 23 identifies if a company has adapted IFRS.

Example: If 11559 =4 and 07536 = 23, the Restatement is for a company which has adopted IFRS. This indicator is provided on the Restated Times Series Frequency codes (B, C, E, F, K, and L).

- Financial statement data points currently supported for annual and interim content will also be supported in the new restated annual and interim series.
- Per share data in the restated annual series will be provided on a fiscal basis only. Per share fields for U.S. companies currently provided on a calendar basis in the annual series content will not be supported in the restated content series. All interim series per share data is currently on a fiscal basis.
- Restated data will be provided for one prior year accounting period.
- Price and dividend data as well as related ratios will not be included in the restated series content.
- Financial ratios currently provided in original annual and interim series will only become available for restated annual and interim time series with the implementation of phase 2 in the first quarter of 2006.

EXCHANGE RATES

Worldscope provides “To U.S.” dollar current and month end exchange rates for all countries represented on the database. In addition, historical “from EURO” exchange rates for the EURO-in countries on the database are provided. “To U.S.” dollar exchange rates for Euro-in countries prior to the adoption of the Euro as the official currency are derived

by adjusting legacy to U.S. dollar rates by the fixed legacy to Euro exchange rates. Current and month end "to U.S." dollar exchange rates are provided for the ECU (prior to January 1999) on Worldscope Identifier " EXCH 954" and the EURO (from January 1999) on Worldscope identifier " EXCH 978". Further information relating to the exchange rate identifiers can be found in the section titled "Worldscope Identifiers". Further information relating to the EURO can be found in the section title "Record Structure-Header and Standard Files".

WORLDSCOPE NOTE FORMAT

Worldscope notes are built from two optional parts:

Standard Text - non-variable text that has been assigned for an event or reason

Specific Text - variable text which describes an event or reason

For example, the standard text for a "K" note on Net Sales (field 01001) reads "ACQ'D". To find out what company was acquired you would read the specific text of the note which would read "XYZ Corp in 94".

A note does not need to contain both standard and specific text. It is possible that a note could have only standard text or only specific text. It is also possible that a note can be linked to a field which contains no data.

The layout of a Worldscope note begins with the Note Link Identifier inside parentheses followed by a colon. This is followed by standard text, if any, and a "^". The specific text of the note follows and the note ends with another "^".

With the exception of the "CT" note on fields 06041, 06051, 06061, 06071 and 06081 (all officer name fields) all notes follow the same layout. The "CT" notes on these fields contain no format characters and the data begins in byte one for a field length of forty characters.

Examples of notes follow:

Standard and Specific text:

(K): ACQ'D ^ XYZ CORP IN 94 ^

Standard text only:

(AA): LENGTH OF FISCAL PERIOD IS 18 MONTHS ^

Specific text only:

(C): ^ HOLDERS OF REGISTERED SHARES ONLY ^

Note: Any possible field/note has an entry in the support file. Field 99999 in the support file indicates that the note can be assigned to any field.

WORLDSCOPE IDENTIFIERS

U.S. Company Identifiers:

The nine digit CUSIP is used.

Bytes 1-6:	Six digit company identifier
Bytes 7-8	Security identifier
Byte 9:	Check digit

Non-U.S. Company Identifiers

A derived identifier based on the country where the company is domiciled is used.

Byte 1:	C
Bytes 2-4:	Worldscope country code
Bytes 5-8:	Four digit unique company identifier
Byte 9:	0

U.S. Security Identifiers

With the exception of the primary issue of the company the nine digit CUSIP assigned to the security is used. The primary issue is defined as the most widely traded security and the CUSIP assigned to this issue has been used as the company identifier. For this reason, the security identifier for the primary issue is derived, by using the first 6 digits of the company identifier followed by a "9" as the seventh digit, another number and a check digit.

Non-U.S. Security Identifiers

A derived identifier based on the country where the company is domiciled is used. This identifier is identical to the company identifier except that the "0" at the end is replaced with a letter.

Index Identifiers

Byte 1:	I
Bytes 2-4:	Worldscope Country Code
Bytes 5-7:	filled with zeros
Byte 8:	Number of the index
Byte 9:	0

For example: I25000010 indicates that the index values are for a French index. "I" identifies the record as an index record "250" is the country code for France

Exchange Rate Identifiers

Byte 1:	space
Byte 2:	E
Byte 3:	X
Byte 4:	C
Byte 5:	H
Byte 6:	space
Bytes 7-9:	Worldscope Country Code

For example: " EXCH 756" is the exchange rate identifier for Switzerland's exchange rate. "756" is the country code for Switzerland

Note: To U.S. dollar exchange rates for the ECU and EURO are provided on EXCH 954 and EXCH 978.

TRADED, NON-TRADED AND INACTIVE COMPANIES/SECURITIES

Traded Company Securities

Traded companies/securities are listed on a stock exchange.

Traded companies/securities can be identified on Worldscope by checking for the presence of data in field 5427 Stock Exchange(s) Listed.

Non-Traded Company/Securities

Non-Traded companies/securities are not traded on a stock exchange. Non-traded companies are usually government owned, privately held, cooperatives/consortiums/partnerships or mutual life insurance companies. Companies/Securities are not defined as non-traded until they are delisted from a stock exchange.

Non-traded companies/securities can be identified on Worldscope by checking for the absence of data in field 5427 Stock Exchange(s) Listed.

Inactive Companies

A company is made inactive when it is acquired, becomes privately held or has declared bankruptcy, or has otherwise become inactive.

Inactive companies can be identified on Worldscope by checking for the presence of data in field 7015 Inactive Date.

Inactive Securities

Securities are made inactive when shares are canceled, exchanged or merged into other shares. Securities are also made inactive when the company is acquired, becomes privately held or has declared bankruptcy.

Inactive securities can be identified on Worldscope by checking for the presence of data in field 7012 Security Inactive Date or field 7015 Inactive Date. Security Inactive Dates can also be found in fields 20011, 20111, 20211, 20311, 20411, 20511, and 20611 Security Inactive Dates - Mult Share 1-7, respectively on the main company identifier.

ADRS

Worldscope includes data on ADRs representing companies from the countries followed on Worldscope. The ADR population is comprised of all sponsored ADR's listed on the NYSE, ASE or NASDAQ along with selected sponsored ADR's which trade over the counter.

ADR's are treated as 'company' entities on Worldscope. A link to the underlying foreign company represented by the ADR is provided if the company is included in the database. Data on the ADR identifier, other than U.S. GAAP data, pricing and dividends is derived from the underlying non-U.S. company and security adjusted by a conversion rate into U.S. dollars and the ADR factor, where applicable.

With the exception of U.S. GAAP data, pricing and dividend data on the ADR identifier is derived by a transfer from the non-U.S. company and security identifier. During the transfer, standardized data is converted into U.S. dollars and shares

outstanding and per share data are additionally adjusted by the ADR exchange ratio. The average monthly exchange rate during the company's fiscal year (field 06101) is used to convert historical income statement items, cash flow, and earnings per share. The fiscal year end exchange rate (field 06102) is used to convert historical balance sheet items and book value. The current exchange rate (field 06103) is used to convert all current items. The ADR exchange factor (field 05577), which is derived from the ADR ratio is applied to shares and per share amounts (after translating to U.S. dollars). Interim data in the current fiscal year (where year end earnings have not yet been reported) is translated to U.S. dollars using a year to date exchange rate.

Unlike the Worldscope presentation of U.S. companies, all per share data on ADR's is shown on a fiscal year basis rather than a calendar year basis.

Financial statement data presented on the basis of U.S. GAAP is indicated on the data record with a time series code of "G".

The following additional data items are available to aid in the processing of ADR's on Worldscope:

- Indicator-ADR (Field 11503): Indicates that the Worldscope identifier represents an ADR. In addition, ADR's have an Entity Type (field 06100) of "A".
- ADR CUSIP 1, 2, 3 (Fields 06110, 06111, and 06112, Respectively): Represents the CUSIP to the ADR security which is represented on Worldscope. These items are provided on the Worldscope Identifier of the non-U.S. company/security represented by the ADR.
- ADR Non-U.S. Company Identifier (Field 06115): Represents the Worldscope Identifier of the underlying company that is represented by the ADR.
- ADR Non-U.S. Security Identifier (Field 06115): Represents the Worldscope Identifier of the underlying security that is represented by the ADR.

In addition to the fields provided on all companies/securities ADR specific data and U.S. GAAP data is provided on ADR's.

COMPANIES WITH MORE THAN ONE TYPE OF COMMON/ORDINARY SHARE

Fundamental data on companies with more than one type of common/ordinary share is provided on a main company identifier along with combined shares, adjusted to like par value, and total market capitalization. Per share and stock performance data is also provided on a selected share type. The share type selected is based on the following criteria: 1) it is available for foreign investment and 2) it is widely traded.

Summary market share and stock data for up to seven share types is provided for each individual share type on the main company identifier (Field range 20001-20648). This data is a subset of the data available on the individual security identifiers. The fundamental data of the company is not provided on the security identifier. It is only provided on the company identifier.

Individual Security Identifiers can be identified by checking for the presence of data in field 6036 (Primary Issue Identifier). This field will also provide a link to the fundamental data of the company.

Links to the individual security identifiers are provided on the main company identifier in fields 20003, 20103, 20203, 20303, 20403, 20503, and 20603 (WSC Identifier-Mult Share 1-7, respectively).

The following additional data items are available to aid in the processing of data for companies with more than one type of common/ordinary share:

- Company Inactive Date (Field 7015): This indicates that the company and therefore all of its securities will no longer be followed on Worldscope because it has been acquired, filed for bankruptcy, etc.
- Security Inactive Date (Fields 7012, 20011, 20111, 20211, 20311, 20411, 20511, and 20611): Data in these fields indicate that the individual security is no longer in existence. However, the absence of this indicator does not imply the security is trading. This item is meaningful only if the company is still active (indicated by the absence of Field 7015 in the data file). Once the company and hence all of its securities are inactive this field's importance is superseded.
- Indicator - Currently A Multi-Share Company (Field 11501): Presence of this field indicates that the company currently has in existence more than one type of common/ordinary share regardless if they are trading or not. This indicator is found on the company identifier.
- Worldscope Identifier - Multi-Share 1 (Field 20003): This is the security whose dividends and prices have been selected to represent the company at the company level. This is only guaranteed for non-acquired (indicated by the absence of Field 7015) currently multi-share companies (indicated by the presence of Field 11501).

Note: There is no guarantee that if the company no longer has more than one type of common or ordinary share that the WSC Identifier - Multi Share 1 is a match to the security picked to represent the company and further no guarantee that all the security level identifiers relating to prior years are included in the data file.

CODED FIELDS

The following Worldscope data items are provided on a coded basis. The definition of the codes used is included in look-up tables provided in the support file. These fields are described below:

Accounting Standards (Fields 7531, 7536 and 7546)

The codes in these fields indicate the method of accounting followed.

Refer to the "A" records in the support file for a look-up table for data contained in this field.

ADR Indicator (Field 11496)

The presence of an "X" in the first byte of this field indicates that the company has ADRs trading in the United States.

Data Update Indicator (Field 07034)

The code in this field indicates the status of data provided in the annual and interim time series.

Refer to the "A" records in the support file for a look-up table for data contained in this field.

Depository Bank (Field 06095)

This code represents the bank or other financial institution that keeps custody of the stock certificates represented by the ADR. Each byte in this field corresponds to a Depository Bank. A presence of an "X"

in a specific byte indicates the Depository Bank of the ADR.

Refer to the “D” records in the support file for a look-up table for data contained in this field

Entity Type (Field 06100)

The codes provided in this field define the entity type represented by the Worldscope Identifier.

Refer to the “A” records in the support file for a look-up table for data contained in this field

General Industry Classification (Field 6010)

The codes provided in this field define the general industry classification of a company.

Refer to the “A” records in the support file for a look-up table for data contained in this field.

Indicator – Early Release (Field 11558)

Data in this field indicates if the company has announced restated data early i.e. prior to the publication of comparative data in the next period financial report.

Refer to the “A” records in the support file for a look-up table for data contained in this field.

Indicator – Restated Data Exists (Field 11556)

Data in this field Indicates that restated time series content is available for a period.

Refer to the “A” records in the support file for a look-up table for data contained in this field.

Indicator – Restatement Type (Field 11557)

Data in this field indicates if the restated data provided is Restated or Revised.

Refer to the “A” records in the support file for a look-up table for data contained in this field.

Industrial Classification Benchmark (ICB) Code (Field 07034)

The code provided in this field defines the Industrial Classification Benchmark (ICB) Code of a company.

Refer to the “A” records in the support file for a look-up table for data contained in this field.

Industry Group (Field 6011)

The code provided in this field defines the Worldscope Industry Code of a company.

Refer to the “A” records in the support file for a look-up table for data contained in this field.

Nation Code (Field 6027)

The code in this field defines the domicile country of a company, security, industry/country average or stock index.

Refer to the “F” records in the support file for a look-up table for data contained in this field. Also provided in this look-up table is the currency and language of the countries followed on Worldscope.

Region (Field 6028)

Each byte in this field corresponds to a region covered on Worldscope. A presence of an "X" in a specified byte indicates the company/security is domiciled in the corresponding region.

Refer to the “D” records in the support file for a look-up table for data contained in this field.

Restatement Reason Code (Field 11559)

Restatement Reason Code provides standardized coding for identifying the general reason restated accounts have been provided.

Refer to the “A” records in the support file for a look-up table for data contained in this field.

SIC Codes (Fields 7021, 7022, 7023, 7024, 7025, 7026, 7027, 7028, 19506, 19516, 19526, 19536, 19546, 19556, 19566, 19576, 19586, and 19596)

The codes in these fields define the SIC codes of a company.

Refer to the “C” records in the support file for a look-up table for data contained in this field.

Stock Exchange (Field 5427, 20009, 20109, 20209, 20309, 20409, 20509, and 20609)

Each byte in this field corresponds to a stock exchange covered on Worldscope. A presence of an "X" in a specified byte indicates the company/security is listed on the corresponding stock exchange.

Refer to the “D” records in the support file for a look-up table for data contained in this field.

Stock Index Information

Each byte in this field corresponds to a stock index represented on Worldscope. A presence of an "X" in a specified byte indicates that the company is included in the corresponding stock index.

Refer to the “D” records in the support file for a look-up table for data contained in this field.

GLOBAL CLIENT SUPPORT

Worldscope is a large and complex database with a dynamic company population that is evolving daily. Thus we maintain a dedicated and knowledgeable client support group to work directly with clients to help them understand and utilize Worldscope data. Worldscope client support services are considered an integral part of your Worldscope subscription fee



and clients are encouraged to contact us directly by phone or email when any questions arise with regard to Worldscope or its use.

Contact details for our client support group are as follows:

url: <https://customers.reuters.com/sc/Contactus/simple/?product=Worldscope&env=PU&TP=Y>