



SIRSSM

Securities Information Retrieval Service Global Reference Data

Interactive Data's Securities Information Retrieval Service (SIRSSM) provides you with a fully automated service for the retrieval and updating of global reference data for establishing and maintaining your security master file.

SIRS covers a broad range of global securities, supports securities trading, settlement, accounting and reporting functions, and can help you meet regulatory and client service requirements.

SIRS provides a single-source, cost-effective data service that helps you keep pace with the growth and complexity of the securities you hold or monitor by supplying the data by full universe, select client files, or a combination thereof, and by presenting the data in fielded, uniform, computer-readable data records.

■ Features & Benefits

SIRS offers you:

- **Comprehensive, Single Source Data**—SIRS offers extensive reference data coverage of global securities through one service, in one feed, from one vendor.
- **Data Quality**—Interactive Data collects, edits, integrates, and maintains data collected from primary sources including direct exchange and market feeds, prospectuses and official statements, and a wide range of authoritative sources.
- **Timely Data Updates**—SIRS data is updated and available for delivery and/or retrieval throughout the business day.
- **Variety of Identifiers**—SIRS supports CUSIP[®] numbers (for U.S./Canadian securities), CINS[®] numbers (for non-U.S./non-Canadian securities), SEDOL[®] and ISIN numbers (for global securities) as key identifiers, as well as client-specified internal security identifiers. SIRS also supplies Common Codes, ISINs, and Local, Euronext[®], German, and Belgian codes as cross-reference identifiers.

- **Backup and Retrieval Protection**—SIRS provides data backup by maintaining a control file of your data options. Interactive Data can reproduce and deliver your SIRS central asset file, in the event of unexpected hardware or software failure.
- **80-Character Format**—SIRS presents data for each asset type uniformly in multiple, 80-character fielded record formats, which allow for efficient programming of data loaders and subsequent data delivery.
- **Tagged Data Format**—SIRS presents data for each asset type in tagged, comma-delimited format, delivered as a single record per security on an item-level changes basis (available at end-of-day only).

■ The Data

Coverage

SIRS provides reference data for a wide range of global securities. SIRS covers U.S./Canadian securities identified by CUSIP, CINS, SEDOL, ISIN, or by Interactive Data-assigned identifier (U.S. options), and non-U.S./non-Canadian securities identified by SEDOL, ISIN, or by Interactive Data-assigned identifier (FTEX). Coverage includes:

- **Equities**—Global equities and warrants; depositary receipts; and U.S./Canadian mutual funds, UITs, and U.S. options. Refer to *SIRS Global Equity Data Coverage* for details.
- **Fixed Income**—Global corporate, government, and agency/GSE bonds; and U.S. mortgage-backed securities, collateralized mortgage obligations, asset-backed securities, and municipal issues. Refer to *SIRS Global Fixed Income Data Coverage* for details.

Sources

Interactive Data collects and maintains reference data from direct and third party sources including exchange feeds (e.g., NYSE[®], NYSE Amex Equities[®], NASDAQ[®], TSX[®]), agencies and GSEs (GNMA, FHLMC, FNMA), prospectuses and official statements, third party vendors (e.g., Moody's[®], S&P[®], D&B[®] ER&C database), investment publications (e.g., *The Wall Street Journal*[®], *Barron's*[®]), and direct issuer sources (e.g., sponsors, corporations).

Timeliness

SIRS data is updated and available for delivery and/or retrieval throughout the business day. Data for securities new to your firm can be delivered on demand in an initialization file (with your next scheduled SIRS update) or as you request.

Reference data updates fall into three categories: skeletal information, full record information, and dynamic information.

- Skeletal (basic) information for new U.S. corporate, government, municipal, collateralized mortgage obligation, and asset-backed securities minimally includes the CUSIP number, name, original coupon rate, first coupon date, maturity date, payment frequency, dated date, and accrual method.
- Initial full record information is normally based on original source documentation (e.g., prospectus, where available, supplemented by additional sources), and available as soon as it can be obtained by Interactive Data. Coverage includes terms and conditions data (e.g., call, put, and sinking fund schedules), conversion and coupon reset features, business entity linkage data, and other comprehensive reference data.
- Information for data that changes periodically (e.g., quality rating, CUSIP, shares outstanding) and data corrections are updated on an on-going basis.

■ Data Updates and Delivery

Security Coverage

SIRS allows you to specify the range of SIRS data you need by using one of the following coverage options:

- Full universe(s), e.g., all U.S./Canadian equities or all U.S./Canadian corporate bonds
- Select securities across asset types
- Combination of full universe(s) and selected securities
- Subsets of full universes (e.g. all convertible bonds)

Data Updating

SIRS allows you to update your SIRS data using the options described below.

- Changes-Only: You receive data only for new issues or existing issues for which changes have occurred since the previous update. You may choose from the following options:
 - Record level changes updates only the record(s) with respect to a security for which any data item in that record has changed. Note: This option returns the entire schedule (instead of only the record containing changes) when changes occur for schedule data.
 - Security level changes refreshes all reference data for a security whenever an item changes with respect to any record for that security. If any SIRS item changes, you will receive the security in your delivery even if you do not subscribe to the record containing the change.
- Full-File Replacement: You receive all data for all issues in the SIRS database, based on your security subscription options. The replacement file includes new issues as well as existing issues, and offers the current view of your universe. **Note:** This option is offered for periodic refresh only.

Update Frequency

- SIRS allows you to refresh your data regularly on one of the following schedules, or on an unscheduled basis (per your request in advance).
 - Daily: Delivered in the evening, after the close of business.
 - Weekly: Any day of the week, after the close of business.
 - Monthly: Any particular day (e.g., last business day), after the close of business.
 - Quarterly: Any particular day (e.g., last business day), after the close of business, arranged according to your preference.
- SIRS-on-Demand provides request/response availability 24/6.5.
- SIRS Intra-Day provides five updates daily, including end-of-day, for selected asset categories.

Delivery

SIRS allows you to choose data transmission over switched or dedicated lines using a choice of standard protocols and transmission speeds.

■ Adjunct Services

SIRS offers the following adjunct services, designed to provide new issues and content changes at periods other than the standard end-of-day timeframe. Refer to the *SIRS Adjunct Services* collateral for details on these service upgrades.

- **SIRS Early Equity Service** delivers a SIRS 80-character format file containing new equity issues or U.S./Canadian equities for which the CUSIP, name, ticker, or exchange has changed since the most recent SIRS end-of-day delivery. This file is available by approximately 01:00 and 08:00 (Eastern Time), with the contents of the 01:00 file redundantly included in the 08:00 file and next regularly scheduled SIRS delivery and the contents of the 08:00 file redundantly included in the next regularly scheduled SIRS delivery.
- **SIRS Intra-Day** delivers data files at any or all of five service intervals throughout the business day, with full upward compatibility to the SIRS 80-character, fixed field service.
- **SIRS-on-Demand** provides bulk-oriented, on-demand data retrieval in the standard 80-character or SIRS Tagged output format on an item-level basis. Data may be retrieved during normal system availability times.

■ Online Services

For intra-day, ad hoc look-ups covering a limited number of securities or a few data items for a single security, Interactive Data provides online access to SIRS reference data through RemotePlusSM and 360ViewSM.

- **RemotePlus** is our financial data server for use with Microsoft® Windows® and UNIX® based operating systems. RemotePlus integrates with your applications, such as Microsoft® Excel®, and other analytical software. RemotePlus communicates with Interactive Data's host server system, allowing you to look up and retrieve global financial and research data.
- **360View** delivers a world of global financial securities data to your desktop through Web browser and Internet connections—anywhere, any time. All segments of the financial services industry, from front office to back office, can use 360View for quick and easy access to a broad range of pricing, evaluations, and reference data.

■ Client Service

Interactive Data is committed to the highest standard of client support. Our product management, sales, and client service staff concentrate their efforts on meeting client needs through a combination of data and delivery services. We provide both local and corporate-level technical support for data and data items, products and services, and data delivery, through a network of sales professionals, centralized client service, and extensive product management, fixed income, equity, and systems personnel.

About Interactive Data

Interactive Data Corporation is a trusted leader in financial information. Thousands of financial institutions and active traders, as well as hundreds of software and service providers, subscribe to our fixed income evaluations, reference data, real-time market data, trading infrastructure services, fixed income analytics, desktop solutions and web-based solutions. Interactive Data's offerings support clients around the world with mission-critical functions, including portfolio valuation, regulatory compliance, risk management, electronic trading and wealth management. Interactive Data is headquartered in Bedford, Massachusetts and has over 2,400 employees in offices worldwide.

For more information, please visit www.interactivedata.com.

Interactive Data's Pricing and Reference Data business provides global securities pricing, evaluations and reference data designed to support financial institutions' and investment funds' pricing activities, securities operations, research and portfolio management. Interactive Data collects, edits, maintains and delivers data on more than 6 million securities, including daily evaluations for approximately 2.8 million fixed income and international equity issues. Interactive Data specializes in 'hard-to-get' information and evaluates many 'hard-to-value' instruments. Pricing, evaluations and reference data are provided in the U.S. through Interactive Data Pricing and Reference Data, Inc. and internationally through Interactive Data (Europe) Ltd. and Interactive Data (Australia) Pty Ltd.

Amsterdam ■ Bedford ■ Boston ■ Chicago ■ Cologne ■ Dubai ■ Dublin ■ Fort Lauderdale ■ Frankfurt ■ Geneva ■ Glasgow ■ Hayward ■ Helsinki ■ Hong Kong ■ Houston ■ Irvine
Jersey, CI ■ London ■ Luxembourg ■ Madrid ■ Melbourne ■ Milan ■ Minneapolis ■ New York ■ Paris ■ Rome ■ Santa Monica ■ Singapore ■ Sydney ■ Tokyo ■ Zurich

Interactive Data Pricing and Reference Data, Inc.

32 Crosby Drive
Bedford, MA 01730

Tel: 781 687 8800

Fax: 781 687 8289

email: info@interactivedata.com

One Beacon Street, 2nd Floor
Boston, MA 02108

Tel: 617 426 0400

Fax: 617 423 2230

100 William Street, 17th Floor
New York, New York 10038

Tel: 212 269 6300

Fax: 212 771 6987

2 North LaSalle Street, Suite 1807
Chicago, Illinois 60602

Tel: 312 641 1528

Fax: 312 641 6399

Limitations

This document is provided for informational purposes only. The information contained in this document is subject to change without notice and does not constitute any form of warranty, representation, or undertaking. Nothing herein should in any way be deemed to alter the legal rights and obligations contained in agreements between Interactive Data Pricing and Reference Data, Inc. and/or affiliates and their clients relating to any of the products or services described herein. Interactive Data Pricing and Reference Data does not provide legal, tax, accounting, or other professional advice. Clients should consult with an attorney, tax, or accounting professional regarding any specific legal, tax, or accounting situation.

Interactive Data Pricing and Reference Data makes no warranties whatsoever, either express or implied, as to merchantability, fitness for a particular purpose, or any other matter. Without limiting the foregoing, Interactive Data Pricing and Reference Data makes no representation or warranty that any data or information (including but not limited to evaluations) supplied to or by it are complete or free from errors, omissions, or defects.

Interactive DataSM and the Interactive Data logo are either registered service marks or service marks of Interactive Data Corporation in the United States or other countries. 360ViewSM, RemotePlusSM, and SIRSSM are service marks of Interactive Data Pricing and Reference Data, Inc. CUSIP Database provided by the Standard & Poor's CUSIP Service Bureau, a division of the McGraw-Hill Companies, Inc. CUSIP[®] is a registered trademark of the American Bankers Association. Microsoft[®], Windows[®] and Excel[®] are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. UNIX[®] is a registered trademark of The Open Group in the U.S. and other countries. Other products, services, or company names mentioned herein are the property of, and may be the service mark or trademark of, their respective owners.