



xMIQRSSM

XML Market Information Query/Response System

Interactive Data's XML Market Information Query/Response System (xMIQRSSM), offers clients the ability to receive financial market data in XML format right into their Web applications.

On a request/response basis, xMIQRSSM provides access to Interactive Data's U.S./Canadian pricing, evaluations, and reference data through a Web service. The requested data is returned in Market Data Definition Language (MDDL), an industry-standard XML format created under the auspices of the Financial Information Services Division (FISD) of the Software & Information Industry Association (SIIA).

■ Features and Benefits

■ Ease of Data Transfer/Incorporation

XML files eliminate interoperability issues between client systems and Interactive Data. XML files are easy to read and, with the use of tags, the data is self-describing. You can use off-the-shelf tools for parsing the XML data, allowing you to incorporate new data according to your development schedule.

■ Standard Data Dictionary (MDDL)

MDDL provides a free, standard XML-based data dictionary to describe financial market data with the use of fields (or tags). The dictionary also includes ISO standard formats for currency codes, countries, and date/time. For more information on MDDL, please visit the SIIA's Web site at <http://www.mddl.org>.

■ Web Service Benefits

Using xMIQRS and a Web service allows you to:

- Run different applications on different platforms written in different software languages
- Enhance programming productivity through common programming standards and off-the-shelf software
- Build your own customized Web service

■ Encrypted Communication

For security-sensitive communications, the xMIQRS request/response system uses SSL (Secure Sockets Layer) encryption via HTTPS (HyperText Transfer Protocol Secure).

■ Timely Data Access/Updates

Data is updated and available for retrieval via xMIQRS throughout the business day. Request/response technology provides access—delivering the data you need, when you need it—without waiting for end-of-day files. For example, if a trade comes in for a security new to your database, you could use xMIQRS to request set-up data before the trade ticket is processed by your system.

■ Various Security Identifiers

Data can be requested using CUSIP[®] numbers, exchange tickers, ISO currency codes, or pool numbers.

■ Dedicated Client Support

Interactive Data is committed to the highest standard of client support, providing local and centralized support for our data, our products and services, and our data delivery. This support is provided through a network of sales, client service, product and data management, and systems personnel.

■ Data Coverage

xMIQRS provides data for U.S. and Canadian securities identified by CUSIP number, exchange ticker, or pool number. Securities covered include equities, corporate and government bonds, preferreds, CMOs, ABSs, pass-through securities, municipal bonds, warrants, indices, mutual funds, UITs, and options. Data currently available includes end-of-day prices and evaluations, reference data (e.g., security description, ratings, current coupon), and latest and historical factors (for CMOs and pass-through securities).

■ Data Packets

Data is returned in five data packets, providing greater flexibility to request the data you need.

- **<basicRef>** packet: provides asset set-up data (e.g., asset type, security description, primary trading exchange, issue and maturity date, original interest rate, country of incorporation, industry data, issue amount, payment frequency, interest payment delay, and tax status).
- **<latestPricing>** packet: provides end-of-day prices including ask, bid, high, low, open, and trade, as well as volume data, and evaluations, as available.
- **<ratings>** packet: provides credit ratings from Moody's[®], S&P[®], and Fitch[®] for corporate bonds and preferreds, CMOs, ABSs, and U.S. municipal securities. S&P rankings for common stocks are also available.
- **<factors>** packet: provides latest and historical factors on a monthly basis for CMOs, ABSs, and pass-through securities.
- **<currentCoupon>** packet: provides the current coupon rate and the effective date of the new coupon rate for floating rate corporate and government bonds, pass-through securities, CMOs, and ABSs.

■ Sample Request to and Response from xMIQRS

Note: In both the request and the response, bold text is for emphasis, header information has been omitted, and the data returned has been abbreviated to save space.

Sample Request for the basicRef Packet

```
<request>.....
  <userIdentifier>
    <customerId>d4user</customerId>
    <password>abc123</password>
  </userIdentifier>
  <requestId>23884</requestId>
  <requestComment>Davis Portfolio</requestComment>
  <instrumentIdentifier>
    <code scheme="http://www.mddl.org/ext/scheme/symbol?SRC=CUSIP">45920010</code>
  </instrumentIdentifier>
  <item name="basicRef" />
</request>
```

Your Userid number, provided by Interactive Data

Your password, provided by Interactive Data

Identifies request if more than one user

Allows you to track your request

Specifies request is for basic reference data packet

Sample Response for the basicRef Packet

```
<header>.....
  <dateTime>2006-09-27</dateTime>
  <source>Interactive Data Pricing and Reference Data</source>
  <other>
    <ftid:requestId>23884</ftid:requestId>
    <ftid:requestComment>Davis Portfolio:</ftid:requestComment>
    <ftid:accounting>1 US or Canadian Equity - Basic Reference Data</ftid:accounting>
  </other>
</header>
<snap>
  <equityDomain>
    <commonClass>
      <instrumentIdentifier>
        <code scheme="http://www.mddl.org/ext/scheme/symbol?SRC=CUSIP">
          <mdString>45920010</mdString>
        </code>
        <code scheme="http://www.ftid.com/schema/symbol?SRC=TICKER">
          <mdString>IBM</mdString>
        </code>
        <name>
          <mdString>INTERNATIONAL BUSINESS MACHS COM</mdString>
        </name>
      </instrumentIdentifier>
      <industryIdentifier>
        <code scheme="http://www.mddl.org/ext/scheme/thirdparty.xml?SRC=SIC">
          <mdString>3571</mdString>
          <description>Electronic computers</description>
        </code>
      </industryIdentifier>
      <issueData>
        <jurisdiction>
          <location>
            <country scheme="http://mddl.org/ext/scheme/iso3166-alpha-2.xml">
              <mdString>US</mdString>
            </country>
            <locationType>
              <mdString>incorporation</mdString>
            </locationType>
          </location>
        </jurisdiction>
        <placeOfTrade>
          <code scheme="http://mddl.org/ext/scheme/iso10383.xml">
            <mdString>XNYS</mdString>
            <description>New York Stock Exchange, New York, United States</description>
          </code>
        </placeOfTrade>
      </issueData>
    </commonClass>
  </equityDomain>
</snap>
-
-
```

Information from your request

Accounting information shows what you have requested

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 does not provide legal, tax, accounting, or other professional advice. Clients should consult with an attorney or tax 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. xMIQRSSM is a service mark 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. Other products, services, or company names mentioned herein are the property of, and may be the service mark or trademark of, their respective owners.