

# Doing data differently



## Helping the global financial community make informed decisions through the provision of comprehensive, accurate, timely and affordable securities and economic data services

With more than 30 years' experience, we offer comprehensive and accurate securities reference, corporate actions and pricing data for derivatives, equities, fixed income, and investment funds around the globe. We also cover economic data extensively.

We understand how crucial financial and economic data is and take a different approach as to how we proceed:

- We do not rent data, we sell it
- We do not have onerous redistribution rules
- We customize our services to meet your needs
- We cover all countries - no matter how large or small
- Finally, we offer competitive prices

As a result of our on-going commitment to providing cost-effective and innovative data solutions, while ensuring the highest standards, EDI has achieved the internationally recognized quality and security certifications ISO 9001 and ISO 27001.

Headquartered in the United Kingdom, we have operations in Australia, Canada, Germany, India, Morocco, South Africa, and the United States.

Our Support Team is available on +44 (0) 207 324 0020, 24 hours a day, Monday to Friday and closed on Christmas and New Year's Day.



## Contents

Municipal Bond Pricing.....	4
Municipal Bond Evaluated Pricing.....	4
Municipal Bond Bid and Offering Data.....	4
Municipal Market Benchmark Service .....	4
Municipal Bond Reference Data .....	5
Fields.....	5
Municipal Bond Corporate Actions .....	6
Field Record Types .....	6

## Municipal Bond Pricing

Exchange Data International (EDI) provides three pricing services for US Municipal Bonds.

1. Evaluated Pricing
2. Municipal Bond Bid and Offering Data
3. Municipal Market Benchmark Service

### Municipal Bond Evaluated Pricing

The service provides daily end of day pricing for either select bonds or the entire database of 1 million US Municipal Bonds. Along with the daily data, EDI supplies 5 years of historical data.

The method reduces risk by providing more market-driven evaluations than traditional methods.

Developed for the middle-market and regional dealer community, this service:

- offers transparency into the methods and data sourced to produce the valuations
- gives client and partners the ability to provide needed feedback during development phases
- is developed by experts specific to the market niche it serves
- is priced to fit the regional firms' budgetary framework

Delivery options	Delivery format
SFTP, API	XML

### Municipal Bond Bid and Offering Data

- Bids Wanted with the full bid stack for all bids wanted, regardless of participation.
- Offerings, most of which are executable on MBIS partner trading platforms.
- Intraday updates every fifteen minutes so the data is available when it is needed.
- A comparable securities product that identifies peer bonds with recent market data for the majority of municipal bonds, including illiquid securities.
- A municipal benchmark curve powered by executable market data and produced hourly.
- Expertise in leveraging the data to support the front, middle, and back office.

### Municipal Market Benchmark Service

- Available intra-day on an hourly basis (providing an early indication into other benchmark's direction for the day).
- Based upon a set of constituent bonds determined monthly, fully disclosed, and priced directly from the available market data.
- Results produced through an objective, fully automated, and transparent methodology and monitored by a rigorous quality assurance process.
- Data files include: curve yields, constituent bond pricing, and underlying market data. The basic service includes the Muni Benchmark Curve, Investment Grade Credit Curves, and Insured Spread Curves.
- Custom yield curves (State, Sector, etc.) can be generated and provided upon request.

Reasons why firms have licensed the **MBIS Data Feed** and **Municipal Benchmark Service**:

1. Improved Price Discovery through broad access to a consolidated view of pre-trade data
2. More Effective Relative Value identification with access to 400,000+ pre-trade observations
3. Operational Efficiency and Risk Mitigation

## Municipal Bond Reference Data

EDI offers comprehensive, high quality reference data on over 1 million active U.S. Municipal Bond issues from over 50,000 different issuers.

### Delivery options

Online Platform, Amazon S3, SFTP, API

### Delivery format

CSV, XLS, JSON

## Fields

Accreted Amount at Maturity	Accreted Call Amount (Event)	Accreted Redemption Price
Accreted Call Price	Additional Security Related	
Agency Unique ID	Notes	Agency Relationship
Agent Address - ZIP Code	Agent Address - City	Agent Address - Street
Bank Qualified	Agent State of Domicile	Average Life
Call Date (Event)	Bond Insurer	Call Amount (Event)
Call Flag	Call Date (Schedule)	Call Event Source
Call Price + Premium (Event)	Call Frequency (Schedule)	Call Price (Schedule)
Coupon	Call Related Notes	Call Type
	Coupon Change Effective Date	Coupon Payment Days
	Default Classification	
Dated Date	(Monetary or Technical)	Default Date Source
Default Event Source	Default Related Notes	Deceased Call
	Deferred Coupon First Interest	
Deceased Sinking Fund	Payment Date	Delivery Date
Denomination (Multiple)	Depository	Extraordinary Call
	FRN Interest Adjustment	
First Coupon Date	Frequency	Full / Partial Redemption
	Green, Social, Sustainability	
Funds Capital Purpose	Indicator	Gross Spread
Guarantee Type	Initial Denomination	Initial US Code
Initial US Code Status	Initial US Code Type	Interest Accrual Convention
Interest Basis	Interest Commencement Date	Interest Payment Frequency
ISIN	Issue Amount	Issue Date
Issue Price	Issuer	Issuer Default Date
Issuer Default Event Effective		
Date	Issuer Default Event Type	Issuer Default Status
Issuer Default Status Date	Issuer Related Notes	Last Coupon Date
Last Put Date	Make Whole Call Benchmark	Make Whole Call End Date
Make Whole Call Flag	Make Whole Call Spread	Make Whole Call Start Date
Material Event	Maturity Change Record Date	Maturity Date
	Maximum notice days (Put	Minimum notice days (Call
Maturity Style (Super Sinker)	Option)	Option)
Minimum notice days (Put		
Option)	Mortgage Insurer	Muni Issuance ID
Muni Issuance Name	Muni Issue Type	Muni Series
Muni Series Issue Amount	Muni Series Status	MWC Frequency (Schedule)
New Coupon Rate	Next Call Date	Next Call Price
Next Coupon Date	Next Par Call Date	Next Par Call Price
Next Put Date	Offering Date	Offering Type
Out Of Default Date	Out Of Default Flag	Outstanding Amount
Outstanding Amount Date	Par Value	Project Name
Put Date (Schedule)	Put Frequency (Schedule)	Put Fee
Put Flag	Put Reason	Put Related Notes
Put/Price (Schedule)	Redemption Amount	Redemption Date
Redemption Method	Redemption Price + Premium	Redemption Related Notes
	Redemption Type (Sinking	
Redemption Type	Fund)	RegS / 144A
Reoffering	Reoffering Date	Reoffering Yield
Repayment Source	Reselling Fee	Security Code
Security Holding	Security ID	Security Status

Seniority	Series Outstanding Amount	Settlement Days
Short Name	Sinking Fund Accreted Amount	Sinking Fund Amount
Sinking Fund Effective Date	Sinking Fund Increase	Sinking Fund Method
		Sinking Fund Skipped
Sinking Fund Price	Sinking Fund Related Notes	Payment
Special Mandatory Call	Special Optional Call	State of Domicile
State Tax Flag	Tax Status	US Code
US Code Change Date	US Code Change Type	Use of Proceeds
Yield at Issue		

## Municipal Bond Corporate Actions

The following types of data are covered within the Financial and Historical Actions service, highlighting a wide range of Corporate Action events related to actively traded municipal securities in North America:

- Redemption (Full, Partial, Sinking)
- Defeasances (Full, Partial)
- Put Options (Mandatory Repurchase, Partial Mandatory Repurchase, Mandatory Retained)
- Offers (Exchange, Purchase)
- Bankruptcies (Petition Filed, Ballot Solicitation, Reorganization Confirmed, Reorganization)

### Delivery options

Online Platform

### Delivery format

XML, ISO 15022

## Field Record Types

### Bankruptcy

- Agent Name, Address, Telephone
- Claims and Ballot Solicitation Details
- Court, Filing and Confirmation or Dismissal Details
- Debtors Counsel Name, Address, Telephone
- Distribution Details or Worthless Declaration
- Effective Date
- Option Expiration Date, Time, Time zone

### Class Action

- Case Number
- Class Period
- Court
- Defendants Counsel Name, Address, Telephone
- Exclusion Deadline
- Expiration Date, Time, Time zone
- Hearing Date
- Information Agent: Name, Location, Telephone
- Objection Deadline
- Plaintiffs Counsel Name, Address, Telephone
- Proof Of Claim Expiration Date
- Proposed Settlement Amount

**Exchange Offer**

- Accrued Interest to Date & Amount
- Agent Name, Address, Telephone
- Basis of Exchange
- Cancellation, Depositary and Cable Fees for ADR's
- Commence Date
- Dealer Manager Name, Location, Telephone
- Dutch Auction
- Expiration Date, Time, Time zone
- First Come First Serve
- Fixed Spread
- Fixed Spread Offering Details
- Fractions
- Information Agent - Name, Location, Telephone
- Indicators for
- Minimum Tender Condition
- New Issue Conversion Terms
- New Issue CUSIP and Description
- New Issue Warrant Terms
- Odd Lot
- Odd Lots Purchased Prior To Proration
- Offer By
- Offer Conditions Fulfilled
- Option Expiration Time
- Payment Date
- Price Determination Date
- Pro Ration Date
- Protect Expiration Date, Time, Time zone
- Protect Period
- Quantity Sought
- Record Date
- Reference Security
- Restricted To Unrestricted
- Restrictions
- Solicitation Fee
- Tender Initial Quantity
- Tender Integral Multiples
- Withdrawal After Date, Time, Time zone
- Withdrawal Prior To Date, Time, Time zone

**General - Defeasance**

- Defeased Amount
- Defeased CUSIP
- Effective Date
- Unrefunded Amount
- Unrefunded CUSIP

**Purchase Offer**

- Accrued Interest to Date & Amount
- Agent Name, Address, Telephone
- Commence Date
- Conversion Terms
- Dealer Manager Name, Location, Telephone
- Dutch Auction
- Expiration Date, Time, Time zone
- First Come First Serve



- Fixed Spread
- Fixed Spread Offering Details
- Fractions
- Indicators for
- Information Agent Name, Location, Telephone
- Minimum Tender Condition
- Odd Lot
- Odd Lots Purchased Prior To Proration
- Offer By
- Offer Conditions Fulfilled
- Option Expiration Time
- Payment Date
- Price
- Price Determination Date
- Processing Fee
- Pro Ration Date
- Protect Expiration Date, Time, Time zone
- Protect Period
- Quantity Sought
- Record Date
- Reference Security
- Restrictions
- Solicitation Fee
- Tender Initial Quantity
- Tender Integral Multiples
- Withdrawal After Date, Time, Time zone
- Withdrawal Prior To Date, Time, Time zone

**Put Options**

- Accrued Interest
- Agent Name, Address, Telephone
- Conversion Terms for convertible bonds
- Final Put Date
- First Notification Date
- First Notification Days
- Frequency
- Last Notification Date, Time, Time zone
- Last Notification Days
- New CUSIP Put Option
- New CUSIP Unit
- Next Put Date
- Old CUSIP Issue
- Publication Date
- Put Payment Date
- Put Price





## Customization

EDI is proud to offer the most effective and efficient solutions tailored to meet each individual customer's needs. We offer a range of customization options including:

- Delivery-based solutions to complement existing client infrastructure.
- Content delivered at the geographical or portfolio holding level.
- Feeds delivered in various formats, field content and integrated client level data items.

EDI uses its extensive data research expertise to source, scrub and integrate new client specified data items with existing products and services. For instance, a request from a multinational investment bank to source the DR universe and map it against its underlying share portfolio ultimately led to the development of EDI's successful Depositary Receipt Database.

In addition, EDI was the first vendor to successfully launch an ISO 15022 Corporate Action Messaging feed. This enables customers to reduce costs and increase efficiency by removing the need for multiple feed handlers.

## Support

### Customer Support

**Monday - Friday**  
**Open 24 hours**

**Saturday**  
Support Coverage ends 8am  
(GMT)

**Sunday**  
Support Coverage resumes at  
11pm (GMT)

**Support Coverage is not  
available**  
Saturday 8am to Sunday 11pm

**Call +44 207 324 0020**

Email: [support@exchange-data.com](mailto:support@exchange-data.com)

Customer support is closed on Christmas and New Year's Day.

We aim to acknowledge all queries within an hour of receipt and answer queries within 24 hours where possible.

We will send a progress report if a query is not resolved within that timeframe. We resolve around 95% of customer queries within 24 hours.

All queries sent to our Support department are filtered and dispatched to the relevant department. An IT staff member is engaged in the communication process to resolve complicated technical issues.

### United Kingdom - Headquarters

5 Highgate Road,  
London, NW5 1JY

**Telephone:** +44(0) 2073 240 020

### Jonathan Bloch

Chief Executive Officer

**Cell:** +44(0) 7785 550 043

**Email:** j.bloch@exchange-data.com

### Andrew Sabourin

Head of Sales - UK, Europe and Asia

**Work:** +44(0) 2073 240 048 **Cell:** +44(0) 7931 906 569

**Email:** a.sabourin@exchange-data.com

### Fiona Morf

Business Development Manager

**Cell:** +44(0) 7533 172 244

**Email:** f.morf@exchange-data.com

### Ian Sissons

Business Development Manager

**Cell:** +44(0) 7900 003 832

**Email:** i.sissons@exchange-data.com

### Nora Cervara

Head of Sales - North America

**Cell:** +1 732-670-1935

**Email:** n.cervara@exchange-data.com

### William Cowen

Business Development Manager

**Cell:** +1 267-670-2443

**Email:** w.cowen@exchange-data.com

### John Kirk

Business Development Manager

**Cell:** +1 908-768-7815

**Email:** j.kirk@exchange-data.com

### Nick Castro

Business Development Manager

**Cell:** +1 954-261-1628

**Email:** n.castro@exchange-data.com

### Ilze Gouws

Head of Economic Data & Sales

**Cell:** +27 (0) 82 782 3750

**Email:** i.gouws@exchange-data.com

### Samy Rajendran

Director, International Business Strategy

**Cell:** +44(0) 7517 857 896

**Email:** p.rajendran@exchange-data.com

### Michael Abraham

Business Development Manager

**Cell:** +49 160 7188 340

**Email:** m.abraham@exchange-data.com

### United States

Exchange Data International Inc  
106 Apple Street, Suite 102, Trinton Falls  
NJ 07724, USA

**Telephone:** +1 607-238 4438

### Latin America & South East USA

### South Africa

PO Box 2176  
Cape Town 8000

### Morocco

Lot Founty imm Founty Plaza  
1er étage Agadir Morocco

**Telephone:** +212 528 262 013

### Other Locations

(Incl. Austria, Bulgaria, Croatia, Czech Republic, Estonia, Germany, Hungary, Latvia, Lithuania, Moldova, Poland)