



*exchange data international*

Fixed Income Offering

V. 7.1



## Helping the global financial community make informed decisions through the provision of fast, accurate, timely and affordable reference data services

With more than 20 years of experience, we offer comprehensive and complete securities reference data for equities and fixed income instruments around the globe.

Our customers can rely on our successful track record to efficiently deliver high quality data sets including:

- Worldwide Corporate Actions
- Worldwide Fixed Income
- Security Reference File
- Worldwide End-of-Day Prices

Exchange Data International has recently expanded its data coverage to include economic data. Currently it has three products:

- African Economic Data [www.africadata.com](http://www.africadata.com)
- Economic Indicator Service (EIS)
- Global Economic Data

Our professional sales, support and data/research teams deliver the lowest cost of ownership whilst at the same time being the most responsive to client requests.

As a result of our on-going commitment to providing cost effective and innovative data solutions, whilst at the same time ensuring the highest standards, we have been awarded the internationally recognized symbol of quality ISO 9001.

Headquartered in United Kingdom, we have staff in Canada, India, Morocco, South Africa and United States.



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## Background

Originally in the equity space, Exchange Data International (EDI) moved to the Fixed Income arena following an increased demand from clients to add debt instruments to its coverage. As the firm was approached by a major credit rating agency to build a customised fixed income service, it developed its own Fixed Income service providing global coverage of the debt market.

New countries and sources are continually researched and added to enhance geographic coverage and increase the volume of securities in the database. The service provides historical data back from 2007.

## Worldwide Fixed Income (WFI)

### An Invaluable Reference Source

Access static data outlining key terms and conditions for all securities. Data is sourced globally from stock exchanges, central banks, ministries of finance, lead managers, paying, calculation and transfer agents.

### Additional Information at Your Fingertips for Complex Fixed Income Instruments

Take advantage of full securities terms and conditions documentation. EDI can provide you with pricing supplements, offering circulars, term sheets and prospectuses for as many securities as possible subject to availability. Its coverage currently covers approximately 30% of the Fixed Income database.

### Keep Pace with The On-Going Changes in The Fixed Income Marketplace.

All latest instrument developments can be smoothly integrated into the framework. A comprehensive specification caters for all markets. This level of coverage and data quality combined provides investment firms with the necessary tools to reduce risk and maximise potential from the Fixed Income arena.

### Efficiently Manage Corporate Actions

Track corporate action events from 150 countries and 15 supranational. In addition to covering developed markets, EDI specialises in emerging markets and frontier countries that include Africa, Asia, the Middle & Far East and Latin America.

As well as giving details of interest payments for both fixed and floating rate issues, worldwide fixed income provides a comprehensive coverage of corporate actions events and thus a complete overview of changes.

The event coverage includes: Bankruptcy, Liquidation, Default Securities, Conversion, Consent, Redemptions whether they be Repurchases, Tender Offers, Dutch Auctions...

## Flexible Delivery Mechanisms

Have **Worldwide Fixed Income** delivered either via web interface or as a data feed (via FTP).

The feed is comprised of a number of table elements which can either be taken separately or combined to fulfil specific needs

### Reference/Terms and Conditions Data

The Terms and Conditions tables provide fundamental static data enabling the identification of any debt security, details from the indenture such as redemption and conversion terms.

The feed is available in our proprietary format and can be fully customised to meet clients' specific needs. Subscribers get an initial file with all the data they require and thereafter daily updates with all the changes made to the Terms & Conditions tables.

### Corporate Actions Data

Users have the choice of receiving Corporate Actions data with or without the Terms and Conditions.

The feed is available in our proprietary format and in ISO 15022 MT564 & 568 standards. The ISO file is fully compatible with our equity corporate actions feed.

Historical data back to 2007 is available in our proprietary format.

## Coverage

### Region

Number of Fixed Income instruments per Region as per November 2017.

<b>Region</b>	<b>Number of Securities</b>
Africa	7,151
Asia and Far East	108,601
Europe	175,236
Latin America & the Caribbean	37,719
Middle East	3,220
North America	159,124
Oceania	10,656
Unlisted EuroBond	123,972

## Asset Classes

### Fully covered

- Canadian strip packages without underlying
- Cash management bills
- Certificate of deposit (tenure more than 28 days)
- Commercial papers (tenure more than 28 days)
- Corporate bonds
- Government bonds
- Municipal securities (excluding US)
- Reverse-convertibles
- Short-term corporate Bonds
- Short-term government Bonds
- Strips (parent needed)
- Treasury bills

### Covered if in portfolio

- Asset-backed securities (ABS) (securities entered with critical fields and just covered for live client's portfolio and Canada; offering documents processed for live clients; corporate actions not maintained)
- Certificates (just covered for live client's portfolio)
- Mortgage-backed securities (MBS) (securities entered with critical fields and just covered for live client's portfolio and Canada; offering documents processed for live clients; corporate actions not maintained)
- Musharaka Sukuks (securities entered with critical fields and just covered for live client's portfolio; offering documents processed for live clients; corporate actions not maintained)
- US Municipal Bonds (securities entered with critical fields and just covered for live client's portfolio; offering documents processed for live clients; corporate actions not maintained)

### Currently not covered

- Genussschein (AT, CH and DE)
- Mortgage-pass through certificates
- Pass-through certificates
- Structured products

## Fixed Income Documenter

### Gain access to EDI's huge library of fixed income securities offering documents

WFI Documenter is a web-based application that fully complements the Worldwide Fixed Income proprietary feed and browser products. Users benefit from access to its huge library of offering documentation for fixed income securities.

Documents are available for download in their original format, PDF, Microsoft Word and Excel and include:

- Offering circulars
- Prospectuses
- Terms sheets
- Pricing supplements

### Easily locate documents for retrieval

Choose from search fields including ISIN, US Code, SEDOL™ or Symbol as well as via Issuer Name or use the portfolio checker feature to locate required documents. If a document is unavailable, subscribers can place an order for it to be traced.

## Fixed Income Derived Data (bond<sup>2</sup>)

The service combines our worldwide fixed income and bond-pricing data with algorithms from our partner who specialises in cloud based financial applications.

bond<sup>2</sup> currently covers 150,000 exchange traded debt securities including government and corporate, fixed rate, floating, and convertible issuance, providing clients with an insightful report on the global fixed income market.

### Value and efficiently manage portfolios

Files comprise of an initial set of 11 fixed income derived data fields along with 16 fields from the Last Trade file and are delivered the next day at 8am GMT.

- |                      |                     |                   |
|----------------------|---------------------|-------------------|
| ▪ Accrued Interest   | ▪ Modified Duration | ▪ Low             |
| ▪ Yield              | ▪ Key-Rate Duration | ▪ Mid             |
| ▪ Yield to Maturity  | ▪ Exchange Code     | ▪ Ask             |
| ▪ Yield to Call      | ▪ Market Close Date | ▪ Bid             |
| ▪ Yield to Put       | ▪ Last Trade Date   | ▪ Bid Size        |
| ▪ Yield to Worst     | ▪ Closing Price     | ▪ Ask Size        |
| ▪ Convexity          | ▪ Price Currency    | ▪ Traded Volume   |
| ▪ Macaulay Duration  | ▪ Open              | ▪ Volume Flag     |
| ▪ Effective Duration | ▪ High              | ▪ Settlement Date |

Files can easily be customised and include another **25 identifiers and reference data fields**, key for the calculations:

▪ ISIN	▪ Issue date	▪ Interest type	▪ Maturity date
▪ US Code	▪ Issue price	▪ Interest rate	▪ Maturity price as per cent
▪ Security ID	▪ Bond type	▪ Interest payment	▪ Call/Put flag
▪ Local code	▪ Bond	▪ Frequency	▪ Call/Put type
▪ Issuer name	▪ Currency	▪ FRN index benchmark	▪ Callable from/to date
▪ Security description	▪ Nominal value	▪ Mark-up	▪ Call price
▪ Country of incorporation	▪ Outstanding amount		

Use bond<sup>Σ</sup> to get the necessary data required to efficiently control the risk associated with fixed income portfolios, project security or portfolio returns, as well as complying with regulatory requirements.

## Municipal Bond Pricing – End of Day Feed

Provides coverage of over 1.25 Million US Municipal Bonds.

### Flexible delivery mechanisms

Have daily end of day pricing feeds for select bonds or the entire database delivered via FTP.

Data items available include: price, bond type, callable flag, puttable flag, country code/description, coupon, coupon class/frequency/pay date/type, currency code, security code, database symbol, day count, description, first coupon date, Issue date/details, issuer code, maturity date, original amount issued, perpetual flag, portfolio date, Sedol code, etc.

### Municipal Bond Analytics (Characteristics) Feed

Obtain coverage of over 1.25 Million US Municipal Bonds.

Have municipal bond analytics included within a pricing feed or delivered separately.

Data items available include: yield to maturity, yield to worst, modified duration, effective duration, convexity, effective convexity and option adjusted spread.

### Big data analytics provided at the best possible evaluated price

Get a straightforward way of navigating your way through an inefficient Municipal bond market where bond pricing is often inaccurate.



## **Observation based pricing**

Access data rigorously collect from thousands of different sources.

Know that the best possible price will be calculated for every security in our universe.

### Stage 1: Layering transactional pricing data

Bid-offer pricing data, positions data from government cash management and pension plans (state / federal / local), Insurance companies, ETF's, open and closed end mutual funds.

### Stage 2: Weighted regression analysis

Reconciles observations into a single meaningful price. This means pricing is more accurate to the true value of the security than simple matrix pricing or bid-offer pricing data.

## **Transparency**

Detailed reports provide the number of pricing points used for input, details on the type of pricing points, transactional or institutional, curve analysis and correlation analysis used.

## **Build a stronger analysis**

Use a built in 'confidence quotient' to clearly distinguish the quality of each pricing point.

## **Providing accurate and timely data**

Exploit a powerful data collection platform driven by cutting edge technologies. This means more analysis and checking is conducted prior to data delivery. Ultimately this leads to more accurate and timelier data.

## **Analytics**

Take advantage of best of breed technology for the delivery of both prices and bond analytics (characteristics). Our pricing or, if you prefer, with your pricing... the choice is yours.

## Customisation

EDI is proud to offer the most effective and efficient solutions tailored to meet each individual customer's needs.

We offer a range of customisation options including:

- Delivery-based solutions to complement existing client infrastructure.
- Content provided at the geographical or portfolio holding level.
- Feeds containing particular 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 Depository 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**

12AM - 8AM (GMT)

**Sunday**

11PM-12AM(GMT)

**Call +44 207 324 0020**

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

Customer support is closed 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 time-frame. 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.

## Contact Information

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