



# 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 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.



ISO 9001  
QUALITY MANAGEMENT



ISO 27001  
INFORMATION SECURITY  
MANAGEMENT

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## Pricing Data

### Worldwide End-of-Day Prices – Equities, Bonds and Indices

Mark-to-market your positions and settle transactions on a timely basis

The closing price is considered the most up-to-date, standardized valuation of a security until trading commences again on the next trading day. This data is used for portfolio valuation, index calculation, technical analysis and benchmarking throughout the financial industry.

The End-of-Day Pricing service covers equities, equity derivative bonds, and indices listed on 170 markets worldwide.

### Obtain fast access to accurate closing pricing data

The closing price feed comprises a set of daily exchange price files for EMEA (Europe, Middle East, and Africa), Asia/Pacific and the Americas. Data elements include:

• Ask	• High	• Price Data
• Ask Size	• ISIN	• Primary Exchange
• Bid	• Issuer Name	• Security Description
• Bid Size	• Last	• Security ID
• Close	• Low	• Security Type
• Comment	• Market Close Date	• Total Trades
• Currency	• MIC	• Traded Value
• Element Name	• Mid	• Traded Volume
• Exchange	• Open	• US Code

Additionally, to the official confirmed prices, the pricing service also provides unconfirmed prices for all the major markets as well as adjustment factors.

**Please note:** Clients that purchase EOD pricing files, there is a repush file that requires to be continuously processed (this file picks up any prices that EDI flagged for high % change from previous close) to overwrite previous file.

### AVAILABLE VIA API

### Adjusted Pricing Data

Compare historical pricing data with current prices and conduct detailed analysis.

- Ready to use adjusted closing pricing file
- Load adjusted closing price data onto your system directly, without having to worry about applying the adjustment factors

Stocks are only included in the adjusted prices feed when an event has an impact.

This impact must generate an adjustment factor greater than 0 and less than 0.95 and greater than 1.05, so a stock with a factor of 0.98 will not be included in the feed. This has the effect of eliminating most stocks having minor dividend events from the feed. However, when a stock is included in the feed, only events with a factor greater than 0 and less than 0.95 and greater 1.05 will be applied.

If users have specific requirements, as EDI cannot customize the feed for individual clients, they recommend the unadjusted prices and adjustment factors feed and build their desired database.

## Adjustment factors

Have full control over events or factors for which you adjust and perform your own historical adjustments.

Adjustment factors in conjunction with unadjusted prices can be used to build a database of adjusted prices according to your criteria, giving you the ability to compare prices over different date points.

Alternatively, they can be used to back adjust different price series, e.g. dividends or EPS, etc.so meaningful comparisons can be made.

## Worldwide Equity Derivatives End of Day Prices

Data elements include:

- High
- Low
- Open
- Close
- Open Interest
- Number of Trades
- Volume Traded

Choose to receive derivative end-of-day pricing data by exchange, portfolio or on a global basis.

With the Option Delta feed, you can easily keep track of a change in the price of a stock option relative to the change in the price of the underlying stock.

## Foreign Exchange Rates

We provide foreign exchange rates data for 168 currencies including Euro legacy ones.

The file can be customized to only include the currencies of interest and additional fields like the reverse rate. We offer three base rates options: USD, GBP, EUR.

## Municipal Bonds Information Data Feed Services

- 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 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

### Fixed Income Evaluated Pricing

The Fixed Income Evaluated Pricing Service provides clients with a daily source of independent prices for valuations, portfolio analytics, best execution reporting, and risk management calculations.

### Data Description

- |                         |                  |
|-------------------------|------------------|
| • Corporate Bonds       | • Non-Agency CMO |
| • Municipal Bonds       | • CMBS           |
| • Syndicated Bank Loans | • ABS            |
| • Agency MBS            | • CLO            |

EDI provides a high-level summary of the methodology used to calculate security prices. We acquire observable pricing data from trade reporting utilities and parses indicative prices from emails sent from the sell side to the buy side. Prices are organized based on issuer or tranche as appropriate per security type. These data are used in industry-standard models to construct issuer-level yield curves or to imply discount margins. More detailed methodology documents are available upon request.

### Methodology

Valuations are calculated daily at the close of major markets. For more liquid bonds, intraday valuations may be available. Valuations can be delivered on a same-day or next-day basis.

## Feed Specifications

### End-of-Day Price Files

EDI's End of Day Pricing feed is delivered by SFTP connection, Dropbox, Amazon S3, or API. Clients have a choice between receiving price files stored in folders named using the ISO country code, which contain the last 20 days of data, and receiving one folder with all price files, containing data of the last 6 days.

### Series P04 & P05 (extra fields in bold) Equities, Bonds, and Indices Extended Closing Price Data

Element Name	Data Type	Format	Max Width	Lookup TYPEGROUP	Field Description
MIC	Char	Char String	6	MICCODE	Swift's ISO Standard 10383 Market Identification Code
pricefilesymbol	Char	Char String	60		Ticker/Local code
Isin	Char	Char String	12		ISIN ISO Standard 6166
Currency	Char	Char String	3	CUREN	ISO Standard 4217 Code for Base Currency
PriceDate	Date	yyyy/mm/dd	10		Real date of price - note that this does not necessarily match the close date implied in the file name
Open	Double	64 bit	20		the first price of the trading day or session (can be derived, not necessarily the first trade/transaction)
High	Double	64 bit	20		day's high price
Low	Double	64 bit	20		day's low price
Close	Double	64 bit	20		the official close of the trading day or session (can be derived, not necessarily the last trade/transaction)
Mid	Double	64 bit	20		the average of the bid and ask prices rounded up to the price format allowed for that tradable instrument/currency (London SE only)
Ask	Double	64 bit	20		the selling price (ask/offer) for securities in the market
Last	Double	64 bit	20		the most recent (last) trade/transaction price of the trading day or session
Bid	Double	64 bit	20		the buying price for securities in the market
Bidsize	Double	64 bit	20		
Asksize	Double	64 bit	20		
TradedVolume	Double	64 bit	20		The number of shares or contracts traded during the trading day or session
SecID	Integer	32 bit	10		Security ID from EDI's Worldwide Corporate Action Database to link into Corporate Actions
MktCloseDate	Date	yyyy/mm/dd	10		Market Close Date
VolFlag	Char	Char String	1		Relates to trading Volume, A= Absolute, T= Stated in thousands trading day or session
Issuename	Varchar	Char String	70		EDI's Masterfile Issuer name if link established
SecTyCD	Char	Char String	3	SECTYPE	EDI's Masterfile Security Type Code if link established. EQS (Equity), PRF (Preference), DR (Depository Receipt)
SecurityDesc	Varchar	Char String	70		EDI's Masterfile Security Description if link established

Uscode	Char	Char String	9		Extracted from US and Canadian ISINs
PrimaryExchgCD	Char	Char String	6	EXCHANGE	EDI proprietary Exchange Code of primary Listing if known
TradedValue	Double	64 bit	20		The total value of shares or contracts traded during the trading day or session
TotalTrades	Integer	32 bit	11		Total numbers of trades in this stock
MaturityDate	Date	yyyy/mm/dd	10		The date on which the security redeems. The security is then cancelled.
Perpetual	Char	Char String	1	PERPETUAL	Indicator for non-maturing securities
Comment	Varchar	Char String	50		Free text comment for market specific information if any

## Worldwide Adjustment Factors

Element Name	Data Type	Format	Max Width	Lookup TYPEGROUP	Field Description
SecID	Integer	32 bit	10		Security ID from EDI's Worldwide Corporate Action Database to link into Corporate Actions
Issuename	Varchar	Char String	255		EDI's Masterfile Issuer name if link established
SecTyCD	Char	Char String	3	SECTYPE	EDI's Masterfile Security Type Code if link established. EQS (Equity), PRF (Preference), DR (Depositary Receipt)
Isin	Char	Char String	12		ISIN ISO Standard 6166
Status	Char	Char string	1		Adjustment status, "A" Active, "R" Rescind, "P" Pending
Market Symbol	Varchar	Char String	6	MICCODE	Swift's ISO Standard 10383 Market Identification Code
ExDate	Date	yyyymmdd	8		Ex-date of event/adjustment
Reason	Integer	32 bit	3		Reason/type of event, used to distinguish between different event types
Factor	Double	64 bit	20		Adjustment factor
Detail	Varchar	Char String	500		Description of adjustment
EventType	Varchar	Char string	10	EVENT	EDI event abbreviation
EventID	Integer	32 bit	10		EDI's event ID in corporate action
Uscode	Char	Char String	9		Extracted from US and Canadian Isins
PrimeEx	Char	Char String	6	EXCHANGE	EDI proprietary Exchange Code of primary Listing if known
Closed	Double	64 bit	20		the official close of the trading day prior to ex-date
ResIsin	Char	Char String	12		Resultant ISIN ISO Standard 6166
ResLocal	Varchar	Char String	60		Resultant Ticker/Local code where applicable and known
Sentiment	Double	64 bit	20		Markets reaction to adjustment, based on actual price action
Errors	Char	Charstring	5		Bit mapped error flags (refer user guide)



## Series 902 - LOOKUP - Combined Lookup Table

Element Name	Data Type	Format	Max Width	Lookup TYPEGROUP	Field Description
Actflag	Char	Char String	1	ACTION	Record Level Action Status
Acttime	Date	yyyy/mm/dd	10		Last Changed date of record at EDI
*TypeGroup	Char	Char String	10	TYPEGROUP	Link between coded data and Combined Lookup Table
*Code	Char	Char String	10		Code data value
Lookup	VarChar	Char String	70		Lookup value for Code (previous field)

Notes on the Lookups

Combined lookup table where codes of a particular type are grouped by TypeGroup.

Join using the Typegroup of the coded field data and the coded data field content to get the lookup. Only field containing coded date has the Typegroup column populated.

This table also gives all the POSSIBLE VALUES.

Because it is combining multiple coded types, the format of the field must accommodate the largest possible code in the whole system hence the slight apparent incompatibility in length between joining fields.

## Worldwide Equity Derivatives

Element Name	Data Type	Format	Max Width	Lookup TYPEGROUP	Field Description
source_mic	char	string	4		Mic code for the data source
contract_type	char	string	1	F or O	Indicator showing if the contract is a Future (F) or an Option(O)
content_type	int tiny	numeric	1	1 or 2 or 3 or 4	1=Complete Down Load,2=Change,3=New Insertion,4=Deletion (only Header and Product Code needed).
dt_row	date	YYYY-MM-DD	10		The date for which we have EOD data.
row_time	time	HH:MM:SS	10		Time the current row was created by supplier
mic_code	char	string	4		Market identifier code
edi_series_code	char	Alphanumeric	50		Unique Aii code for EDI derivatives
exchange_series_code	char	Alphanumeric	50		Unique product code for a series level instrument - provided by Exchange/price feed.
exchange_aii_code	char	Alphanumeric	50		Exchange aii at series level for the instrument
open_price	decimal	decimal(12,5)	17		The option open price.
high_price	decimal	decimal(12,5)	17		The option high price for the day.
low_price	decimal	decimal(12,5)	17		The option low price.
close_price	decimal	decimal(12,5)	17		The option close price.
dt_last_active	date	YYYY-MM-DD	10		The date of last trade.
time_last_active	time	HH:MM:SS	10		The time of last trade.
traded_volume	int	integer	10		The total number of contracts transacted for the day.

<b>traded_value</b>	decimal	decimal(20,5 )	25	<b>The total value of contracts traded during the day.</b>
<b>margin_price</b>	decimal	decimal(20,5)	25	The exchange published price for margin calculations.
<b>open_interest</b>	int	integer	10	The total number outstanding of derivative contracts that have not been settled
<b>last_bid</b>	decimal	decimal(12,5)	17	The last bid of the day to be used for analytics.
<b>last_offer</b>	decimal	decimal(12,5)	17	The last open of the day to be used for analytics

## Foreign Exchange Rates File

Updated hourly data is available via SFTP, API or Email. Clients can choose to either take an end-of-day file or two files a day at 6am and 6pm UTC.

The file is available in

- TXT
- CSV
- JSON
- XML

Element Name	Data Type	Format	Max Width	Field Description
ISO	Char	Char String	3	ISO Currency Code
Base	Char	Char String	3	Base ISO Currency Code
Rate	Integer	32 bit	50	Foreign Exchange rate of that day
Date	Date	yyyy/mm/dd	10	Date when feed is created
Time	.char	hh	2	Hour loaded

## Exchange Coverage – Equities, Bonds, and Indices

Below is the list of exchanges covered by the services as per August 2016.

Unconfirmed Prices Available

*\* Redistribution license required*

### Africa

Country	Exchange Name	MIC	Equity	Bond	Indices
Algeria	Algiers Stock Exchange	XALG	01/01/2007	03/01/2007	02/01/2007
Botswana	Botswana Stock Exchange	XBOT	03/01/2007	01/04/2013	03/01/2007
Cameroon	Douala Stock Exchange	XDSX	02/01/2007	20/11/2012	
Cape Verde	Cape Verde Stock Exchange	XBVC	09/01/2008		
Egypt*	Egyptian Exchange	XCAI	03/01/2007	05/02/2012	20/11/2006
Eswatini	Eswatini Stock Exchange	XSWA	01/01/2007		02/01/2007
Ghana	Ghana Stock Exchange	XGHA	01/01/2007		01/01/2007
Ivory Coast	Regional Stock Exchange of West Africa	XBRV	02/01/2007	01/03/2010	09/07/2007
Kenya	Nairobi Securities Exchange	XNAI	02/01/2007	06/04/2010	01/01/2007
Malawi	Malawi Stock Exchange	XMSW	01/01/2007		02/01/2007
Mauritius	Stock Exchange of Mauritius	XMAU	01/01/2007	03/01/2007	01/01/2007
Morocco	Casablanca Stock Exchange	XCAS	01/01/2007	01/03/2010	01/01/2007
Mozambique	Mozambique Stock Exchange	XMAP	26/08/2015	01/04/2014	
Namibia	Namibian Stock Exchange	XNAM	01/01/2007	16/04/2009	02/01/2007
Nigeria	Nigerian Stock Exchange	XNSA	01/01/2007	03/12/2007	04/01/2007
Rwanda	Rwanda Stock Exchange	RSEX	01/01/2007	15/04/2010	24/06/2008
Seychelles	Seychelles Securities Exchange	TRPX	07/08/2015	17/01/2020	
South Africa	Cape Town Exchange	4AXE	02/09/2019	02/09/2019	02/09/2019
South Africa*	Johannesburg Stock Exchange	XJSE	01/01/2007	01/01/2014	01/01/2007
South Africa	A2X Stock Exchange	XJSE	17/06/2019		17/06/2019
South Africa	ZAR X Stock Exchange	ZARX	16/06/2019	16/06/2019	16/06/2019
Sudan	Khartoum Stock Exchange	XKHA	20/06/2008	01/03/2010	20/06/2008
Swaziland	Swaziland Stock Exchange	XSWA	01/01/2007		02/01/2007
Tanzania	Dar es Salaam Stock Exchange	XDAR	01/01/2007	23/11/2012	27/07/2007
Tunisia*	Tunis Stock Exchange	XTUN	01/01/2007		01/01/2007
Uganda	Uganda Securities Exchange	XUGA	01/01/2007	01/03/2010	03/07/2007
Zambia	Lusaka Stock Exchange	XLUS	06/01/2007		01/01/2007
Zimbabwe	Zimbabwe Stock Exchange	XZIM	01/02/2007		01/01/2007

### Asia

Country	Exchange Name	MIC	Equity	Bond	Indices
Azerbaijan	Baku Stock Exchange	BSEX	29/02/2024	29/02/2024	
Bangladesh	Chittagong Stock Exchange	XCHG	03/01/2007	04/12/2018	19/08/2010
Bangladesh	Dhaka Stock Exchange	XDHA	04/01/2007	01/03/2010	27/01/2007
Beijing	Beijing stock exchange	BJSE	03/01/2023		
Bhutan	Royal Securities Exchange of Bhutan	RSEB	19/08/2015		
Cambodia	Cambodia Securities Exchange	XCSX	16/07/2012		19/04/2012
China	Shanghai Stock Exchange	XSHG	02/01/2007	11/04/2010	21/11/2006
China	Shenzhen Stock Exchange	XSHE	02/01/2007	03/12/2009	21/11/2006
Hong Kong*	Hong Kong Stock Exchange	XHKG	02/01/2007	02/12/2009	21/11/2006
India	BSE Ltd.	XBOM	02/01/2007	22/01/2014	02/01/2007
India	National Stock Exchange of India	XNSE	02/01/2007	22/01/2014	02/01/2007
Indonesia	Indonesian Stock Exchange	XIDX	24/07/2007	04/02/2022	02/01/2007
Japan	Nagoya Stock Exchange	XNGO	04/01/2007		09/01/2007
Japan	Osaka Securities Exchange	XOSE	13/11/2007	01/03/2010	13/11/2007
Japan*	Tokyo Stock Exchange	XJPX	01/01/2007	30/01/2014	02/08/2007

Kazakhstan*	Kazakhstan Stock Exchange	XKAZ	03/01/2007	08/06/2009	03/01/2007
Korea (South)	Korea Stock Exchange	XKRX	02/01/2007	11/04/2010	21/11/2006
Korea (South)	KOSDAQ	XKOS	02/01/2007		21/11/2006
Kyrgyz Republic	Kyrgyz Stock Exchange	XKSE	09/01/2007	01/03/2010	09/07/2007
Laos	Lao Securities Exchange	XLAO	16/07/2012		17/07/2012
Malaysia	Malaysian Exchange	XKLS	03/01/2007	02/12/2009	21/11/2006
Maldives	Maldives Stock Exchange	MALX	23/05/2013	21/05/2013	21/05/2013
Mongolia	Mongolian Stock Exchange	XULA	25/02/2013		25/02/2013
Myanmar	Yangon Stock Exchange	MYSX	17/01/2020		17/01/2020
Nepal	Nepal Stock Exchange	XNEP	01/01/2007	01/03/2010	03/01/2007
Pakistan	Pakistan Stock Exchange	XKAR	03/01/2007	16/12/2019	09/07/2007
Philippines	Philippine Stock Exchange	XPHS	02/01/2007		21/11/2006
Singapore	Singapore Exchange	XSES	03/01/2007	02/12/2009	21/11/2006
Sri Lanka	Colombo Stock Exchange	XCOL	02/01/2007	10/02/2020	02/01/2007
Taiwan	Taipei Exchange	ROCO	19/01/2009	03/05/2010	
Taiwan	Taiwan Stock Exchange	XTAI	02/01/2007	01/03/2010	21/11/2006
Thailand	Stock Exchange of Thailand	XBKK	03/01/2007		20/11/2006
Vietnam*	Hanoi Stock Exchange	HSTC	09/02/2007		04/09/2007
Vietnam	Hochiminh Stock Exchange	XSTC	13/04/2005		09/07/2007
Azerbaijan	Baku Stock Exchange	BSEX	29/02/2024	29/02/2024	
Bangladesh	Chittagong Stock Exchange	XCHG	03/01/2007	04/12/2018	19/08/2010
Bangladesh	Dhaka Stock Exchange	XDHA	04/01/2007	01/03/2010	27/01/2007
Beijing	Beijing stock exchange	BJSE	03/01/2023		
Bhutan	Royal Securities Exchange of Bhutan	RSEB	19/08/2015		
Cambodia	Cambodia Securities Exchange	XCSX	16/07/2012		19/04/2012
China	Shanghai Stock Exchange	XSHG	02/01/2007	11/04/2010	21/11/2006
China	Shenzhen Stock Exchange	XSHE	02/01/2007	03/12/2009	21/11/2006
Hong Kong*	Hong Kong Stock Exchange	XHKG	02/01/2007	02/12/2009	21/11/2006
India	BSE Ltd.	XBOM	02/01/2007	22/01/2014	02/01/2007
India	National Stock Exchange of India	XNSE	02/01/2007	22/01/2014	02/01/2007
Indonesia	Indonesian Stock Exchange	XIDX	24/07/2007	04/02/2022	02/01/2007
Japan	Nagoya Stock Exchange	XNGO	04/01/2007		09/01/2007
Japan	Osaka Securities Exchange	XOSE	13/11/2007	01/03/2010	13/11/2007
Japan*	Tokyo Stock Exchange	XJPX	01/01/2007	30/01/2014	02/08/2007
Kazakhstan*	Kazakhstan Stock Exchange	XKAZ	03/01/2007	08/06/2009	03/01/2007
Korea (South)	Korea Stock Exchange	XKRX	02/01/2007	11/04/2010	21/11/2006
Korea (South)	KOSDAQ	XKOS	02/01/2007		21/11/2006
Kyrgyz Republic	Kyrgyz Stock Exchange	XKSE	09/01/2007	01/03/2010	09/07/2007
Laos	Lao Securities Exchange	XLAO	16/07/2012		17/07/2012
Malaysia	Malaysian Exchange	XKLS	03/01/2007	02/12/2009	21/11/2006
Maldives	Maldives Stock Exchange	MALX	23/05/2013	21/05/2013	21/05/2013

## Europe

Country	Exchange Name	MIC	Equity	Bond	Indices
Armenia	Nasdaq OMX Armenia Stock Exchange	XARM	25/08/2015	14/09/2015	
Austria*	Vienna Stock Exchange	XWBO	02/01/2007	02/01/2007	18/10/2006
Belgium	Euronext Brussels	XBRU	02/01/2007	01/03/2010	18/12/2006
Belarus	Belarus Currency and Stock Exchange	BCSE	10/11/2016	08/06/2020	
Bosnia and Herzegovina*	Sarajevo Stock Exchange	XSSE	31/05/2017	31/05/2017	06/07/2017
Bosnia and Herzegovina	Banja Luka Stock Exchange	XBLB	03/01/2007	22/04/2010	22/04/2010
Bulgaria	Bulgarian Stock Exchange - Sofia	XBUL	09/08/2005	01/03/2010	03/01/2007
Channel Islands	Channel Islands Securities Exchange	XCIE	04/03/2013		
Croatia	Zagreb Stock Exchange	XZAG	02/01/2007	01/03/2010	21/11/2006

Cyprus	Cyprus Stock Exchange	XCYS	02/01/2007	01/03/2010	02/01/2007
Czech Republic	Prague Stock Exchange	XPRA	02/01/2007	01/03/2010	02/01/2007
Denmark	Nasdaq Nordic Copenhagen	XCSE	01/01/2007	17/11/2008	18/12/2006
Estonia	Nasdaq Baltic Tallinn	XTAL	02/01/2007	29/01/2008	02/01/2007
Europe	CBOE Europe BXE Exchange	BATE	14/07/2009		
Finland	Nasdaq Nordic Helsinki	XHEL	01/01/2007	17/11/2008	18/12/2006
France	Euronext Paris	XPAR	02/01/2007	02/06/2008	18/12/2006
Georgia	Georgian Stock Exchange	XGSE	04/09/2013		06/09/2013
Germany	Berlin Stock Exchange	XBER	02/01/2007	02/01/2007	10/07/2010
Germany	Duesseldorf Stock Exchange	XDUS	02/01/2007	02/01/2007	
Germany	Euwax	EUWX	05/10/2018		
Germany	Frankfurt Stock Exchange	XFRA	02/01/2007	02/01/2007	26/09/2007
Germany	Hamburg Stock Exchange	XHAM	02/01/2007	02/01/2007	
Germany	Hanover Stock Exchange	XHAN	02/01/2007	01/03/2010	
Germany	Munich Stock Exchange	XMUN	02/01/2007	01/03/2010	10/07/2007
Germany	Tradegate	TGAT	24/05/2017	19/05/2017	
Germany	Stuttgart Stock Exchange	XSTU	02/01/2007	02/01/2007	10/07/2010
Germany	XETRA Frankfurt	XETR	02/01/2007	01/03/2010	10/07/2010
Greece	Athens Exchange	ASEX	02/01/2007	18/01/2020	09/07/2007
Hungary	Budapest Stock Exchange	XBUD	03/01/2007	01/03/2010	21/11/2006
Iceland	Nasdaq Nordic Iceland	XICE	03/01/2007	07/11/2008	09/07/2007
Ireland	Irish Stock Exchange	XDUB	02/01/2007		02/01/2007
Italy	Italian Exchange	SEDX	04/08/2008		
Italy	Electronic Bond Market	MOTX		24/08/2010	
Italy*	Italian Exchange	MTAA	03/08/2008		02/01/2007
Latvia	Nasdaq Baltic Riga	XRIS	02/01/2007	29/01/2008	02/01/2007
Lithuania	Nasdaq Baltic Vilnius	XLIT	02/01/2007	29/01/2008	02/01/2007
Lithuania	NASDAQ OMX BALTIC Indices	NASB	15/11/2013		
Luxembourg	Luxembourg Stock Exchange	XLUX	02/01/2007	04/03/2010	20/11/2006
Macedonia	Macedonian Stock Exchange	XMAE	03/01/2007	01/03/2010	03/01/2007
Malta	Malta Stock Exchange	XMAL	03/01/2007	03/01/2010	03/01/2007
Moldova	Moldova Stock Exchange	XMOL	23/05/2013	23/05/2013	
Montenegro	Montenegro Stock Exchange	XMNX	05/09/2013	11/09/2013	06/09/2013
Netherlands	Euronext Amsterdam	XAMS	02/01/2007	04/01/2008	18/12/2006
Norway	Norwegian over the counter market	NOTC	11/05/2010		
Norway	Oslo Axxess	XOAS	26/02/2009	01/03/2010	
Norway	Oslo Bors	XOSL	02/01/2007		20/11/2006
Norway	Oslo Bors Alternative Bond Market	XOAM		02/03/2010	
Norway	Oslo Burgundy Nordic MTF	BURG	09/02/2015		
Norway	Oslo Merker Market	MERK	13/01/2016		
Poland	Poland Over the Counter Stock Exchange	CETO		26/04/2010	
Poland	Warsaw Stock Exchange	XWAR	02/01/2007	01/03/2010	20/11/2006
Portugal	Euronext Lisbon	XLIS	02/01/2007	01/03/2010	18/12/2006
Romania*	Bucharest Stock Exchange	XBSE	01/03/2013	02/12/2009	02/01/2007
Russia	Moscow Exchange MICEX-RTS	MISX	09/05/2012	09/05/2012	11/05/2010
Russia	MOEX Board	RTSX	09/01/2007		20/11/2006
Russia	RTS Board	RUSX	30/10/2017		
Serbia	Belgrade Stock Exchange	XBEL	03/01/2007	20/08/2008	03/01/2007
Slovak Republic	Bratislava Stock Exchange	XBRA	02/01/2007	02/03/2010	20/11/2006
Slovenia	Ljubljana Stock Exchange	XLJU	13/09/2007	01/03/2010	21/11/2006
Spain	AIAF - Fixed Income Market	XDRF			
Spain	Barcelona Stock Exchange	XBAR	02/01/2007		20/11/2007
Spain	Bilbao Stock Exchange	XBIL			19/11/2006
Spain	BME Growth	GROW	Yes		Yes
Spain	Madrid Stock Exchange	XMAD	02/01/2007		20/11/2006
Spain	Mercado Alternativo Bursatil	MABX	12/04/2010		
Spain	Sistema Espanol De Negociacion...	XNAF		02/11/2018	
Spain	Spanish Stock Exchange	XMCE	02/01/2007		20/11/2006
Spain	Valencia Stock Exchange	XVAL	02/01/2007		20/11/2006

Sweden	AktieTorget Stock Exchange	XSAT	11/05/2010		11/05/2010
Sweden	Nasdaq Nordic Stockholm	XSTO	01/01/2007	17/11/2008	18/12/2006
Sweden	Nordic Growth Market	XNGM	20/07/2016		
Switzerland	Bern Exchange	XBRN	09/06/2010		
Switzerland	SIX Structured Products Exchange	XQMH	03/03/2009	28/02/2010	
Switzerland	SIX Swiss Exchange	XSWX	02/01/2007		02/01/2007
Turkey	Istanbul Stock Exchange	XIST	02/01/2007	30/08/2012	19/11/2006
Ukraine	PFTS Stock Exchange	PFTS	09/01/2007	09/01/2007	
Ukraine	Ukrainian Exchange	UAUX	10/02/2013	06/06/2013	05/05/2010
United Kingdom	GEMMA (Gilt Edged Market Maker Association)	GEMX		17/11/2010	
United Kingdom	London Stock Exchange	XLON	02/01/2007	01/03/2010	15/12/2006
United Kingdom	London Stock Exchange Electronic Quotation	SEAQ	16/07/2007	01/03/2010	18/12/2006
United Kingdom	Aquis Stock Exchange	NEXX	09/05/2023		

### Latin America & the Caribbean

Country	Exchange Name	MIC	Equity	Bond	Indices
Argentina	Buenos Aires Stock Exchange	XBUE	09/06/2011	08/02/2011	09/06/2011
Bahamas	Bahamas International Securities Exchange	XBAA	02/01/2007	01/03/2010	02/01/2007
Barbados	Barbados Stock Exchange	XBAB	02/01/2007	19/05/2020	02/01/2007
Bermuda	Bermuda Stock Exchange	XBDA	01/01/2007		02/01/2007
Bolivia	Bolivian Stock Exchange	XBOL			
Brazil	B3 S.A. - Securities, Commodities and Futures Exchange	BVMF	04/01/2007	02/09/2015	02/09/2015
Cayman Islands	Cayman Islands Stock Exchange	XCAY	02/01/2007	01/03/2010	
Chile	Chilean Electronic Exchange	XBCL	02/01/2007	01/03/2010	02/01/2007
Chile*	Santiago Stock Exchange*	XSGO	02/01/2007		
Colombia	Colombian Stock Exchange	XBO			
Colombia	Nation Stock Exchange (Costa Rica)	G	02/01/2007	28/04/2020	02/01/2007
Costa Rica		XBNV	02/01/2007	01/03/2010	09/07/2007
Curacao	Dutch Caribbean Markets	CDCS			
Curacao	Dominican Republic Stock Exchange	X	22/01/2024	22/01/2024	
Dominican Republic		XBVR	24/05/2010	02/06/2010	25/08/2010
Ecuador	Guayaquil Stock Exchange	XGUA	02/01/2007	26/07/2007	26/07/2007
Ecuador	Quito Stock Exchange	XQUI	02/01/2007	02/01/2007	25/08/2010
El Salvador	El Salvador Stock Exchange	XSVA	02/01/2007	01/03/2011	02/01/2007
Guyana	Guyana Stock Exchange	GSCI	25/02/2013		
Jamaica	Jamaica Stock Exchange	XJAM	02/01/2007	08/04/2010	02/01/2007
Mexico	Mexican Stock Exchange	XMEX	02/01/2007		02/01/2020
Panama	Panama Stock Exchange	XPTY	02/01/2007	01/08/2008	09/07/2007
Papua New Guinea	Port Moresby Stock Exchange	PNGX			
Paraguay	Asuncion Stock Exchange	XVPA	24/08/2008	02/03/2010	
Peru	Lima Stock Exchange	XLIM	01/01/2007		27/11/2006
St. Kitts & Nevis	Eastern Caribbean Securities Exchange	XECS	01/01/2007	05/08/2014	01/01/2007
Trinidad and Tobago	Trinidad & Tobago Stock Exchange	XTRN	02/01/2007	21/07/2010	02/01/2007
Uruguay	Montevideo Stock Exchange	XMNT	02/01/2007	07/04/2010	01/01/2007
Venezuela	Caracas Stock Exchange	XCAR	02/01/2007		09/07/2007

## Middle East

Country	Exchange Name	MIC	Equity	Bond	Indices
Bahrain	Bahrain Bourse	XBAH	11/08/2005		09/07/2007
Iran	Tehran Stock Exchange	XTEH	09/08/2005	01/03/2010	07/11/2007
Iraq	Iraq Stock Exchange	XIQS	05/05/2010		05/05/2010
Israel	Tel-Aviv Stock Exchange	XTAE	13/12/2005	18/04/2010	31/08/2007
Jordan	Amman Stock Exchange	XAMM	22/08/2005		09/07/2007
Kazakhstan	Kazakhstan Stock Exchange	XKAZ	19/09/2019	19/09/2019	19/09/2019
Kuwait	Kuwait Stock Exchange	XKUW	22/08/2005		02/01/2007
Lebanon	Beirut Stock Exchange	XBEY	09/08/2005		08/01/2007
Oman	Muscat Securities Market	XMUS	09/08/2005	08/04/2010	09/07/2007
Palestine	Palestine Exchange	XPAE	04/10/2005		09/07/2007
Qatar	Qatar Exchange	DSMD	18/05/2000	01/03/2010	18/05/2000
Saudi Arabia	Saudi Stock Exchange	XSAU	09/08/2005	01/03/2010	09/07/2007
Syria	Damascus Securities Exchange	XDSE	16/03/2009		31/12/2009
United Arab Emirates	Abu Dhabi Securities Exchange	XADS	08/05/2007		09/07/2007
United Arab Emirates	Dubai Financial Market	XDFM	07/03/2007		07/03/2007
United Arab Emirates	Nasdaq Dubai	DIFX	03/01/2005		01/10/2009

## North America

Country	Exchange Name	MIC	Equity	Bond	Indices
Canada	Canadian Securities Exchange	XCNQ	25/07/2003	03/11/2017	
Canada	NEO Stock Exchange	NEO	22/10/2018		
Canada	Toronto Stock Exchange	XTSE	01/01/2007	05/04/2007	09/07/2007
Canada	TSX Venture Exchange	XTSX	01/01/2000		10/12/2001
Canada	TSX Venture Exchange NEX	XTNX	07/06/2012		06/10/2012
United States of America	BZTS BYX Exchange	BATY	07/09/2018	7/09/2018	
United States of America	Chicago Stock Exchange	XCHI	28/12/2006	10/04/2010	
United States of America	FINRA TRACE	TRCE		13/07/2009	
United States of America	NASDAQ Stock Market	XNAS	28/12/2006	12/04/2010	10/07/2007
United States of America	National Stock Exchange (USA)	XCIS	01/01/2007	10/04/2010	
United States of America	New York Stock Exchange	XNYS	28/12/2006	10/04/2010	10/07/2007
United States of America	Non-Nasdaq OTC BB	OTCB	13/07/2007	10/04/2010	24/03/2018
United States of America	NYSE Arca	ARCX	03/01/2007	10/04/2010	



United States of America	<a href="#">NYSE MKT</a>	XASE	01/01/2007	10/04/2010	
United States of America	<a href="#">OTC Markets Group</a>	XOTC	03/01/2007	10/04/2010	
United States of America	US Treasury Bonds	GOVX		30/05/2008	
United States of America	US Composite (NYSE, NASDAQ)	USCOMP	01/01/2007	10/04/2010	10/07/2007
United States of America	CBOE BZX US Equities Exchange	BATS	02/07/2018	02/07/2018	02/07/2018
United States of America	CBOE BZX Options Exchange	BATO	02/07/2018	02/07/2018	02/07/2018

## Oceania

Country	Exchange Name	MIC	Equity	Bond	Indices
Australia*	<a href="#">Australian Securities Exchange</a>	XASX	02/01/2007	01/03/2010	01/02/2005
Australia	National Stock Exchange of Australia	XNEC	02/01/2007		01/06/2010
Fiji	South Pacific Stock Exchange	XSPS	24/05/2010		24/05/2010
New Zealand*	NZX*	XNZE	09/01/2007	02/12/2009	21/11/2006

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Country	Exchange	MIC
Australia	Australian Securities Exchange	XASX
Austria	Vienna Stock Exchange	XWBO
Bosnia & Herzegovina	Sarajevo Stock exchange	XSSE
Chile	Santiago Stock Exchange	XSGO
Egypt	Egypt Exchange	MCIA
Italy	Borsa Italiana	MTTA
Kazakhstan	Kazakhstan Stock Exchange	XKAZ
Hong Kong	Hong Kong Stock Exchange	XHKG
Hungary	Budapest Stock Exchange	XBUD
Japan	Tokyo Stock Exchange	XJPX
Malaysia	Malaysian Stock Exchange	XKLS
New Zealand	NZX	XNZE
Philippines	Philippines Stock Exchange	XPHS
Romania	Bucharest Stock Exchange	XBSE (web display only)
Thailand	Thailand Stock Exchange	XBKK
South Africa	Johannesburg Stock Exchange	XJSE
Tunisia	Tunisian Stock exchange	XTUN
Vietnam	Hanoi Stock Exchange	HSTC

## Exchange Coverage – Equity Derivatives

The following exchanges, identified by EDI, offer options and/or futures derivatives.

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### Africa

Country	Country Code	Exchange Name	MIC	Start Date
South Africa	ZA	JSE Commodity Derivatives Market	XSFA	02/01/2019
South Africa	ZA	SAFEX Derivatives Market	XSAF	01/07/2018

### Asia

Country	Country Code	Exchange Name	MIC	Start Date
China	CN	Dalian Commodity Exchange	XDCE	31/12/2018
China	CN	China Financial Futures Exchange	CCFX	22/12/2022
China	CN	Shanghai Futures Exchange	XSGE	01/04/2023
China	CN	Zhengzhou Commodity Exchange	XZCE	12/10/2021
Hong Kong*	HK	Hong Kong Futures Exchange Ltd.	XHKF	30/12/2018
India	IN	Bombay Stock Exchange	XBOM	31/12/2018
India	IN	Metropolitan Stock Exchange of India Limited	MCXX	01/01/2019
India	IN	Multi Commodity Exchange of India Ltd.	XIMC	01/01/2019
India*	IN	National Stock Exchange of India	XNSE	31/12/2018
Indonesia	ID	Indonesia Commodity and Derivatives Exchange	ICDX	20/07/2023
Indonesia	ID	Jakarta Futures Exchange (Bursa Berjangka Jakarta)	XBBJ	07/06/2019
Japan	JP	Osaka Exchange	XOSE	07/01/2019
Japan	JP	Tokyo Financial Exchange	XTFF	04/01/2019
Malaysia*	MY	Bursa Malaysia	XKLS	31/12/2018
Pakistan	PK	The Pakistan Stock Exchange Limited	XKAR	31/12/2018
Singapore	SG	Singapore Exchange	XSES	31/12/2018
Singapore	SG	ICE Futures Singapore	IFSG	02/01/2019
South Korea	KR	Korea Exchange (Stock Market)	XKRX	02/01/2019
South Korea	KR	Korea Exchange (Futures Market)	XKFE	11/06/2019
Taiwan	TW	Taiwan Futures Exchange TAIEX	XTAF	02/01/2019
Thailand	TH	Thailand Futures Exchange	TFEX	02/01/2019
Vietnam*	VN	Hanoi Stock Exchange - Derivatives	XHNF	09/10/2020

## Europe

Country	Country Code	Exchange Name	MIC	Start Date
Belgium	BE	Euronext - Euronext Brussels	XBRU	02/01/2019
Denmark	DK	Nasdaq Copenhagen A/S	XCSE	02/01/2019
Finland	FI	Nasdaq Helsinki Ltd	XHEL	02/01/2019
France	FR	Euronext - Euronext Paris	XPAR	02/01/2019
France	FR	Euronext Paris MATIF	XMAT	30/12/2020
Germany	DE	Eurex Deutschland	XEUR	02/01/2019
Germany	DE	European Energy Exchange	XEEE	30/09/2020
Greece	GR	Athens Exchange S.A. Derivatives Market	XADE	02/01/2019
Hungary*	HU	Budapest Stock Exchange	XBUD	02/01/2019
Italy	IT	Borsa Italiana S.p.A.	XMIL	02/01/2019
Netherlands	NL	NYSE Euronext LIFFE	XAMS	02/01/2019
Netherlands	NL	ICE Endex Futures	NDEX	20/01/2021
Netherlands	NL	Euronext Com, Commodities Futures And Options	XEUC	02/01/2019
Netherlands	NL	Euronext Eqf, Equities And Indices Derivatives	XEUE	02/01/2019
Norway	NO	Oslo Børs	XOSL	02/01/2019
Poland	PL	Warsaw Stock Exchange/Equities/Main Market	XWAR	02/01/2019
Portugal	PT	Euronext - Euronext Lisbon	XLIS	02/01/2019
Russia	RU	Moscow Exchange (RTS & MICEX)	MISX	03/01/2019
Spain	ES	Meff Financial Derivatives	XMRV	02/01/2019
Sweden	SE	Nasdaq Stockholm AB	XSTO	02/01/2019
Turkey	TR	Borsa Istanbul	XIST	31/12/2018
Ukraine	UA	Ukrainian Exchange	UKEX	03/01/2019
United Kingdom	GB	ICE Futures Europe	IFEU	31/12/2018
United Kingdom	GB	London Metal Exchange	XLME	08/12/2020

## Latin America & the Caribbean

Country	Country Code	Exchange Name	MIC	Start Date
Argentina	AR	Rosario Future Exchange	ROFX	02/01/2019
Argentina	AR	Mercado A Termino De Buenos Aires S.A.	XMTB	02/01/2019
Brazil*	BR	B3 S.A. - Brasil Bolsa Balcao	BVMF	02/01/2019
Colombia	CO	Bolsa De Valores De Colombia	XBOG	11/07/2023

## Middle East

Country	Country Code	Exchange Name	MIC	Start Date
Iran	IR	Iran Mercantile Exchange	IMEX	08/10/2020
Israel	IL	Tel Aviv Stock Exchange	XTAE	06/10/2020
Saudi Arabia	SA	Saudi Stock Exchange	XSAU	15/10/2017
United Arab Emirates	AE	Dubai Gold & Commodities Exchange Dmcc	DGCX	22/10/2020
United Arab Emirates	AE	NASDAQ Dubai	DIFX	31/12/2019
United Arab Emirates	AE	Dubai Mercantile Exchange	DUMX	31/12/2019
United Arab Emirates	AE	Abu Dhabi Securities Exchange	XADS	24/04/2023
United Arab Emirates	AE	Dubai Financial Market	XDFM	19/12/2023

## North America

Country	Country Code	Exchange Name	MIC	Start Date
Canada	CA	The Montreal Exchange / Bourse De Montreal	XMOD	31/12/2018
Mexico	MX	Mercado Mexicano De Derivados	XEMD	07/06/2017
United States	US	BOX Options Exchange	XBOX	15/10/2020
United States	US	CBOE BZX U.S. Equities Exchange	BATS	06/10/2020
United States	US	CBOE C2 Options Exchange	C2OX	15/10/2020
United States	US	CBOE EDGX U.S. Equities Exchange	EDGX	31/12/2018
United States*	US	CBOE Futures Exchange	XCBF	15/10/2020
United States	US	CBOE Global Markets Inc.	XCBO	31/12/2018
United States*	US	Chicago Board of Trade	XCBT	15/10/2020
United States	US	CME - Chicago Mercantile Exchange	XCME	31/12/2018
United States	US	Commodities Exchange Center	XCEC	31/12/2018
United States	US	ICE Futures Europe	IFEU	31/12/2018
United States	US	ICE Futures U.S.	IFUS	31/12/2018
United States	US	International Securities Exchange, Llc - Equities	XISE	31/12/2018
United States	US	ISE Gemini Exchange	GMNI	31/12/2018
United States	US	ISE Mercury, Llc	MCRY	31/12/2018
United States	US	Miami International Securities Exchange	XMIO	31/12/2018
United States	US	MIAX Pearl, LLC	MPRL	31/12/2018
United States	US	Minneapolis Grain Exchange	XMGE	31/12/2018
United States	US	NASDAQ - All Markets	XNAS	06/10/2020
United States	US	NASDAQ OMX Phlx	XPHL	31/12/2018
United States	US	New York Mercantile Exchange	XNYM	31/12/2018
United States	US	New York Stock Exchange, Inc.	XNYS	31/12/2018
United States	US	NYSE Arca	ARCX	31/12/2018
United States	US	NYSE Mkt Llc	XASE	31/12/2018
United States	US	Options Price Reporting Authority	OPRA	31/12/2018

## Oceania

Country	Country Code	Exchange Name	MIC	Start Date
Australia	AU	ASX	XASX	06/10/2020
New Zealand*	NZ	ASX - New Zealand Futures & Options	NZFX	03/01/2019



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- Content delivered at the geographical or portfolio holding level.
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**Support Coverage is not  
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**Call +44 207 324 0020**

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

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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

### United Kingdom - Headquarters

5 Highgate Road,  
London, NW5 1JY

**Telephone:** +44 207 324 0020

### Jonathan Bloch

Chief Executive Officer

**Cell:** +44 7785 550 043

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

### Andrew Sabourin

Head of Sales - UK, Europe and Asia

**Work:** +44 207 324 0048 **Cell:** +44 7931 906 569

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

### Robin Newton

Business Development Manager

**Cell:** +44 7545 428 552

**Email:** r.newton@exchange-data.com

### Ian Sissons

Business Development Manager

**Cell:** +44 (0)7900 003832

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

### United States

Exchange Data International Inc  
1250 Front Street, no. 260 Binghamton,  
NY 13901, USA

**Telephone:** +1 607 238 4438

### 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

### South Africa

PO Box 2176  
Cape Town 8000

### Ilze Gouws

Head of Economic Data & Sales

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

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

### Morocco

Lot Founty imm Founty Plaza  
1er étage Agadir Morocco

**Telephone:** +212 528 262 013

### Samy Rajendran

Director, International Business Strategy

**Cell:** +44 7517 857 896

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

### Other Locations

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

### Michael Abraham

Business Development Manager

**Cell:** +49 160 7188 340

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