



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.







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Different Types of Security Reference File Feeds

All these security reference files include the same security refence announcements and the only difference is the inclusion of certain identifiers.

ISINs Format

- 680 file security reference announcements with ISINs and no Sedols.
- 638 file corresponding security master file with ISINs and no Sedols.
- 760 file corresponding security master file with ISINs and no Sedols. Fields added: GICS, LEI, NAICS, CIN, ShellComp, CIC, FISN

Sedol Format

- 690 file security reference announcements with Sedols included along with ISINs license with LSE is required for Sedols.
- 693 file corresponding security master file with Sedols included along with ISINs license with LSE is required for Sedols.
- 761 file corresponding security master file Sedols included along with ISINs license with LSE is required for Sedols. Fields added: GICS, LEI, NAICS, CIN, ShellComp, CIC, FISN

FIGIs Format

- 695 file corporate actions file with FIGIs codes and no Sedols included.
- 698 file corresponding security master file FIGIs codes and no sedols included.

Bloomberg Format

 726 file – corporate actions file with FIGIs codes and Sedols included. Fields added: GICS, LEI, NAICS, CIN, ShellComp, CIC, FISN

Detailed Note File

- 689 file Detail notes files associated with all corporate actions announcement files.
- 685 file format Customize file format with security master file with Sedols and FIGIs codes included along with shares listed and outstanding. License with the LSE required for Sedols



Securities Reference File

Identify securities together with their associated standing data

Get up to date information on equities, warrants, fixed income instruments and many other types of securities traded on global exchanges. EDI's security reference file gives you access to detailed information on over 1,300,000 securities including:

- Equities
- Debt Instruments
- Warrants
- Certificates
- Mutual funds
- Exchange traded funds
- Indices

EDI currently provide Securities Reference Files and Equity Corporate Actions Files four times a day at the times* below:

0 Increment - Between 04.00 and 06.30

1 Increment - Between 08.00 and 10.30

2 Increment - Between 14.00 and 16.30

3 Increment - Between 18.00 and 22.30

*All times are in UTC.

Combine securities reference data with GICS®

Classify securities by industry sector and use the universal, reliable and comprehensive information you are provided with to capture and assess the impact of global, regional and local industry portfolio trends.

Make use of the extensive fields provided

Gain valuable insights. Exchange Data International Securities Reference File covers over 40 fields. Of these include:

SEDOL TM CFI code
ISIN Security class

Issuer Name Industry classification

Country of register

Undertake quick and accurate reference checks

Use EDI's securities reference file to identify name changes and additions and deletions that occur in any stock comprised in the extensive database.



Point in Time (PIT)

EDI s Point In time Security Reference File (PIT_SRF) feed enables clients to track at a listing level, changes to securities coding and other key security reference data-points at any Point in Time.

The PIT records provide a snapshot of these fields on any given date back to January 2005 and each record is Start and End dated making it easy to run queries against single securities, or portfolios.

This latest EDI's release also includes a Point in Time Event Feed (PIT_EVT) which contains static data events from EDI's Corporate Actions service, on which the PIT_SRF was built.

These static events also indicate the reason why there was a static data change.

Since January 2003, EDI have been collecting global corporate actions data and an important part of these datasets are the reference data changes that are commonly a by-product of corporate action activity. EDI stores this data in separate event tables, which always contain old and new values, effective dates, and reasons for change.

The main PIT table, PITSRF, combines these core datasets into one composite that is designed to track the values of around seven reference data-points with both start and end dates supported. These are real public domain market dates and not approximate dates of change. This makes it straight-forward to query this combined table and to find out the values of the tracked data items on any specified date. This has been used by EDI internally to retrospectively reset historical symbology in our closing price historical archive files.

The separate event tables only have one date, which is the date the new value becomes effective in the specified market. This and the fact that the historical datasets are in multiple tables is very restrictive from a querying standpoint. Another advantage to the Point in Time (PIT) version of the historical changes in that in the process of building the PITSRF table, redundant historical records can be filtered out e.g., where old and new values are the same, or the record is logically deleted. Essentially, it's a consolidated and tidied version of the core tables with a start and end date on each record.

These records are all at the listing level and continue to be tracked even after delisting because occasionally relisting can occur later and gaps in the time series could then create uncertainty.

In all the PIT tables the present-day values can be identified by a 2099/01/01 end date. Similarly, the records that start each series of change records are flagged so that the root records are easy to locate. If no changes have occurred there will be a single PIT record flagged as ROOT, but end dated 2099/01/01. If a change occurs, the entire record is copied with new values included along with a new effective date of change. The now previous record remains unchanged except for the

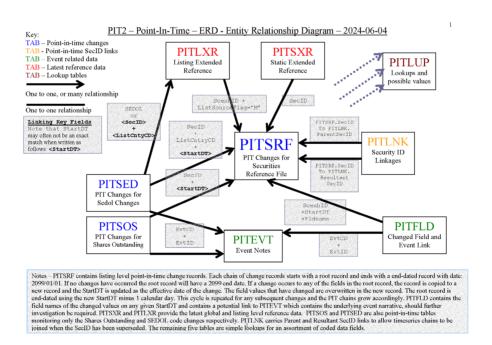


end date which is updated to the new effective date minus 1 day. In this way there is no day that cannot be accounted for in any PIT chain from its root start date to the present.

Other PIT modules now available are:

- PITSED Tracked SEDOL changes
- PITLXR Listing Extended Reference which links to the most recent listing level fields, including Local codes SEDOL and Bloomberg coding. Note that Bloomberg historical coding changes are not tracked in PIT.
- PITLNK Linkages between a Parent Security ID and a Resultant Security ID. Certain
 Corporate Actions e.g. a Security Swap necessitate the issuance of a new internal EDI
 Security ID. This will often break the continuity of e.g. the Closing Price time series. The
 linkages in this table allow the older Security ID time series thread to be linked to the
 resultant Security ID thread.
- PITLUP Lookups and possible values are now consolidated into a single combined code lookup table.

Depository Receipt and Market Segment change tracking are currently unavailable.



Point in Time Feeds

PIT_SRF – contains the start and end dated time series changes chain at the listing level. PIT_EVT – contains the WCA static data events on which PIT SRF was built.

These static events also indicate the reason why there was a static data change. Every PIT_SRF record with a past end date will have a minimum of one PIT_EVT record, occasionally having even more than one.



Securities Reference Data Coverage

Take advantage of daily updates of securities reference data

Have securities reference data supplied daily and with history via an SFTP connection. Alternatively, data can be delivered as a one-off ad-hoc feed.

Be confident in the knowledge that EDI can, upon request, provide its clients with a tailored feed for any field and in any order. Securities reference data feeds are comprised of

Issuer

- Creation Date
- Last Update Date
- Issuer Name

- Issuer ID
- Country of Incorporation

Security

- Creation Date
- Last Update Date
- Security ID
- Parent Security ID
- Security Type
- Security Description
- Status Flag
- Status Flag
- Status Reason

- Primary Exchange
- Currency
- Par Value
- Issue Price
- Paid Up Value
- Voting
- ISIN
- US Code

Issuer Codes

• CIC

CIK

• LEI

Security Exchange

- Creation Date
- Last Update Date
- Listing Status
- Lot

- Minimum Trading Quantity
- Listing Date
- Local Code
- Ticker



- Creation Date
- Last Update Date
- Country of Exchange

- SedolTM
- Defunct
- Country of Registration

Exchange (Market) Creation Date

- Last Update Date
- Country of Exchange

- Exchange or Market Name
- MIC Code

Financial Instrument Global Identifier (FIGI)

- Financial Instrument Global Identifier Composite (FIGI)
- Financial Instrument Ticket (Composite Level) (Ticket + Exchange Code) (FIGI)
- Financial Instrument Global Identifier (FIGI)
- Financial Instrument Ticket (Exchange Level) (ticker + Exchange Code) (FIGI)

Market Segments

• Stock Exchange Market Segment

Notes

*SEDOL is a registered trademark of London Stock Exchange plc.

^{**}Field coverage subject to sourcing and availability.



Exchange Coverage

Explore the list of exchanges covered by the securities reference file as per April 2018.

Africa

Algeria XALG Algiers Stock Exchange Angola XBDV Angola Securities Exchange Botswana XBOT Botswana Stock Exchange Cameroon XDSX Doula Stock Exchange Cape Verd XBVC Cape Verd Stock Exchange Egypt XCAI Egyptian Exchange Gabon Regional Stock Exchange of Central Africa Ghana XGHA Ghana Stock Exchange of West Africa Kenya XNAI Nairobi Security Exchange Lesotho Maseru Security Market Libya XLSM Libyan Stock Exchange Malawi XMSW Malawi Stock Exchange Mauritius XMAU Stock Exchange of Mauritius Morocco XCAS Casablanca Stock Exchange Mozambique XBVM Namibian Stock Exchange Namibia XNAM Namibian Stock Exchange Nigeria XNSA Nigerian Stock Exchange Rwanda RSEX Rwanda Stock Exchange South Africa ZARX ZAR X
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South Africa 7APY 7APY
JULIII AITICA ZAINA ZAINA
South Africa XJSE Johannesburg Stock Exchange
South Africa 4AXE Cape Town Exchange
South Africa A2XX A2X Markets
South Africa Equity Express Securities Exchange
Swaziland XSWA Eswatini Stock Exchange
Tanzania XDAR Dar es salaam Stock Exchange
Tunisia XTUN Tunis Stock Exchange
Uganda XUGA Uganda Securities Exchange
Zambia XLUS Lusaka Stock Exchange
Zimbabwe XZIM Zimbabwe



Asia and Far East

Country	MIC	Eveloppe
Country	XCHG	Exchange Chittogong Stook Evolungs
Bangladesh		Chittagong Stock Exchange
Bangladesh	XDHA	Dhaka Stock Exchange
Bhutan	VOOV	Royal Securities Exchange of Bhutan
Cambodia	XCSX	Cambodia Securities Exchange
China	V(01.10	Inter-Bank Bond Market
China	XSHG	Shanghai Stock Exchange
China	XSHE	Shenzhen Stock Exchange
China	XSEC	Shenzhen Hong Kong Stock connect - Northbound
China	XSSC	Shanghai Hong Kong Stock connect - Northbound
Hong Kong	XHKG	Hong Kong Stock Exchange
Hong Kong	SZSC	Hong Kong Stock connect - Northbound
Hong Kong	SHSC	Hong Kong Stock connect - Southbound
India		Reserve Bank of India
India	MCXX	Metropolitant Stock Exchange of India
India	XNSE	National Stock Exchange of India
India	XBOM	BSE Ltd.
Indonesia	XIDX	Indonesia Stock Exchange
Japan	XJPX	Tokyo Stock Exchange
Japan	XNGO	Nagoya Stock Exchange
Kazakhstan	AIXK	Astana International Exchange
Kazakhstan	XKAZ	Kazakhstan Stock Exchange
Korea (South)	XKRX	Korea Stock Exchange
Korea (South)	XKON	Korea New Exchange
Korea (South)	XKOS	KOSDAQ
Kyrgyz Republic	XKSE	Kyrgyz Stock Exchange
Laos	XLAO	Laos Security Exchange
Malaysia	XLFX	Labuan International Financial Exchange
Malaysia	XKLS	Malaysian Exchange
Maldives	MALX	Maldives Stock Exchange
Mongolia	XULA	Mongolian Stock Exchange
Myanmar		Yagon Stock Exchange
Nepal	XNEP	Nepal Stock Exchange
Pakistan	XKAR	Pakistan Stock Exchange
Philippines	XPHS	Philippines Stock Exchange
Singapore	XSES	Singapore Exchange
Sri Lanka	XCOL	Colombo Stock Exchange
Taiwan	XTAI	Taiwan Stock Exchange
Taiwan	ROCO	Taipei Exchange
Thailand	XBKK	Stock Exchange of Thailand
Uzbekistan	XSTE	Tashkent Republican Stock Exchange
Vietnam	XSTC	Hochiminh Stock Exchange
viculalli	7010	HOUTHITH STOCK EXCHAINGE



Country	MIC	Exchange
Country Armenia	XARM	Armenia Securities Exchange
	XWBO	
Azerbaijan	BSEX	Vienna Stock Exchange
Azerbaijan Belarus	BCSE	Baku Stock Exchange
	XBRU	Belarus Currency and Stock Exchange Euronext Brussels
Belgium Respis and Harzagavina	XBLB	
Bosnia and Herzegovina		Banja Luka Stock Exchange Bosnia and Herzegovina
Cyprus	XCYS	Cyprus Stock Exchange
Czech Republic	XPRA	Prague Stock Exchange
Denmark	XCSE	Nasdaq Nordic Copenhagen
Estonia	XTAL	Nasdaq Baltic Tallinn
Finland	VIII	Nordic Derivatives Exchange - Finland
Finland	XHEL	Nasdaq Nordic Helsinki
France	XPAR	Euronext Paris
Georgia	XGSE	Georgian Stock Exchange
Germany	XSTU	Stuttgart Stock Exchange
Germany	XETR	Xetra
Germany	XMUN	Munich Stock Exchange
Germany	XHAM	Hamburg Stock Exchange
Germany	XCSO	Certificate Stock Exchange in Frankfurt
Germany	XDUS	Duesseldorf Stock Exchange
Germany	XBER	Berlin Stock Exchange
Germany	XFRA	Frankfurt Stock Exchange
Germany	XHAN	Hanover Stock Exchange
Gibraltar	GSXL	Gibraltar Stock Exchange
Greece	ASEX	Athens Exchange
Hungary	XBUD	Budapest Stock Exchange
Iceland		XICE
Ireland		Ireland Unlisted Mutual Funds
Ireland	XDUB	Euronext Dublin
Italy	XMIL	Italian Exchange
Latvia	XRIS	Nasdaq Baltic Riga
Lithuania	XLIT	Nasdaq Baltic Vilnius
Luxembourg	XLUX	Luxembourg Stock Exchange
Macedonia	XMAE	Macedonian Stock Exchange
Malta	XMAL	Malta Stock Exchange
Moldova	XMOL	Moldova Stock Exchange
Montenegro	XMNX	Montenegro Stock Exchange
Netherlands	XAMS	Euronext Amsterdam
Norway	XOSL	Oslo Bors
Norway	NOTC	Norwegian Securities Dealers Association
Norway		Nordic Derivatives Exchange - Norway
Poland		Poland Over the Counter Stock Exchange
Poland	XWAR	Warsaw Stock Exchange
Portugal	XLIS	Euronext Lisbon
Romania	XBSE	Bucharest Stock Exchange
Russia	MISX	Moscow Exchange MICEX-RTS
Russia	RTSX	Russian Trading System
Russia	XPIC	St. Petersburg Currency Exchange
Serbia	XBEL	Belgrade Stock Exchange
Slovak Republic	XBRA	Bratislava Stock Exchange



Latin America & the Caribbean

Country	MIC	Fresh we we
Country	MIC	Exchange
Argentina	XROS	Rosario Commerce Exchange
Argentina	XMAB	Argentina Open Electronic Exchange
Argentina	XBUE	Buenos Aires Stock Exchange
Bahamas	XBAA	Bahamas International Securities Stock Exchange
Barbados	XBAB	Barbados Stock Exchange
Bolivia	XBOL	Bolivian Stock Exchange
Brazil	BVMF	B3 – Brazil, Stock Exchange and Over-the-Counter Market
Cayman	XCAY	Cayman Island Stock Exchange
Chile	XSGO	Santiago Stock Exchange
Chile	XBCL	Chilean Electronic Stock Exchange
Colombia	XBOG	Colombian Stock Exchange
Costa Rica	XBNV	National Stock Exchange (Costa Rica)
Curacao	DCSX	Dutch Caribbean Securities Exchange
Dominican Republic	XBVR	Dominican Republic Stock Exchange
Ecuador	XQUI	Quito Stock Exchange
Ecuador	XGUA	Guyaquil Stock Exchange
El Salvador	XSVA	El Salvador Stock Exchange
Guatemala	XGTG	National Stock Exchange (Guatemala)
Guyana	GSCI	Guyana Stock Exchange
Haiti		Haitian Stock Exchange
Honduras	XBCV	Central American Securities Exchange
Jamaica	XJAM	Jamaican Stock Exchange
Mexico	XMEX	Mexican Stock Exchange
Nicaragua	XMAN	Nicaragua Stock Exchange
Panama	XPTY	Panama Stock Exchange
Paraguay	XVPA	Asuncion Stock Exchange
Peru	XLIM	Lima Stock Exchange
St. Kitts & Nevis	XECS	Eastern Caribbean Securities Exchange
Suriname		Suriname Stock Exchange
Trinidad & Tobago	XTRN	Trinidad & Tobago Stock Exchange
Uruguay	BVUR	Uruguay Electronic Exchange
Uruguay	XMNT	Montevideo Stock Exchange
Venezuela	BVCA	Caracas Stock Exchange
		-



Country	MIC	Exchange
Bahrain	XBAH	Bahrain Bourse
Iran	XTEH	Tehran Stock Exchange
Iraq	XIQS	Iraq Stock Exchange
Israel	XTAE	Tel-Aviv Stock Exchange
Jordan	XAMM	Amman Stock Exchange
Kuwait	XKUW	Kuwait Stock Exchange
Lebanon	XEBY	Beirut Stock Exchange
Oman	XMUS	Muscat Securities Market
Palestine	XPAE	Palestine Exchange
Qatar	DSMD	Qatar Exchange
Saudi Arabia	XSAU	Saudi Stock Exchange
Syria	XDSE	Damascus Securities Exchange
Turkey	XIST	Istanbul Stock Exchange
United Arab Emirates	XADS	Abu Dhabi Securities Exchange
United Arab Emirates	XDFM	Dubai Financial Market
United Arab Emirates	DIFX	Nasdaq Dubai

North America

Country	MIC	Exchange
Bermuda	XBDA	Bermuda Stock Exchange
Canada	XCNQ	Canadian Security Exchange
Canada	NEOE	Aequitas NEO Exchange
Canada	XTSX	TSX Venture Exchange
Canada	XTSE	Toronto Stock Exchange
United States of America	ARCX	NYSE Arca
United States of America	XNYS	New York Stock Exchange
United States of America	XPOR	US Portal Exchange
United States of America	FINR	FINRA Trace
United States of America	OTCM	OTC Market Groups
United States of America	XNAS	NASDAQ Stock Market
United States of America	XASE	NYSE America
United States of America	BATS	BATS US Stock Exchange

Oceania

Country	MIC	Exchange	
Australia	XASX	Australian Security Exchange	
Australia	SIMV	SIM Venture Security Exchange	
Australia	XNEC	National Stock Exchange of Australia	
Australia	APXL	Sydney Stock Exchange	
Fiji	XSPS	South Pacific Stock Exchange	
New Zealand	XNZE	NZX	



Derivative Reference Data

Undertake quick and accurate reference checks

Get up-to-date reference information on exchange traded futures and options where the underlying asset is either an equity or index and on exchange traded futures and options based on interest rates, agricultural commodities, energy products, foreign exchange, metals, and other commodities and indices.

Use the derivative reference data file to efficiently identify any specific derivative contract in our extensive database. The file currently covers more than 30 fields including:

- Root Code
- **US Local Code**
- Ticker ISIN
- CFI

Aii

- Sedol
- CIC
- FIGI/BBGID
- **Expiry Date**

- Strike Price

- **Underlying Instrument Details**
- MIC Code
- Contract Size
- Exercise Style (American or European)
- OSI Symbol
- **Exercise Price**

Easily determine the underlying asset on which the equity derivative s price is based

The Derivative Reference Data clearly indicates the underlying security attached to the contract.

Security Description

Security Description

ISIN /SEDOL™/Ticker

Primary Exchange

Futures and Options Contract Specifications (FOCS)

In-Depth Reference Data

The Futures and Options Contract Specifications (FOCS) service provides timely and accurate information on Specifications. We cover all the important fields for trading including Contract name, Contract code, Contract Size, Contract Unit, Tick Size, Tick value, Strike Price details, Instrument ISIN, Expiration Date, and Option Identifier and Delivery details.

A derivative is a security with a price dependent on or derived from one or more underlying assets and a contract between two or more parties; the value of derivative products is determined by fluctuations in the underlying asset.

In FOCS, we cover both future contracts and option contracts. A futures contract is a standardized agreement between two parties committing one to buy and the other to sell a particular asset of a specific quantity and at a predetermined price, at a specified date in the future. An options contract is a standardized agreement that gives the buyer the right but not the obligation to buy or sell a specific underlying asset or future of a specified quantity at or by a specific date in the future.

Types of Derivatives

- Commodity Derivatives
- **FX** Derivatives
- **Equity Derivatives**
- Interest Rate Derivatives



FII Products

Financial Information Incorporated (FII), EDI's sister company, produces two key guides to North American securities.

Active Stock Guide Service

50,000 North American (U.S. & Canadian) securities, including companies incorporated offshore; full Security Issuer & Issue Descriptions; CUSIP© or CINS©; Place of Incorporation; Par Value; Transfer Agents, plus a separate section for inactive agents referencing the new agent; Transfer Charge; Dividend Disbursing Agent; Lead Underwriter; Poison Pills; Summary of Capital Changes & Stock Dividends for Active Stocks.

Obsolete Stock Guide Service

Over 100,000 Obsolete Securities dating back to the late 1800's, Bankruptcies & Receivership, Liquidations, Dissolutions, Corporate Charter Cancellations, Mergers & Acquisitions, Name Changes, Recapitalizations, Reorganizations, Stocks Declared Worthless, Summary of Capital Changes and Stock Dividends for Obsolete Stocks.

U.S Options Reference Data

Received through direct exchange notification and OCC announcements

Given SMI's core focus on Standardized Options, the SMI primary offering focuses on the Options Strikes and Series that are available, maintained, and expired for all available Issues and Series in the open market.

From the SMI content, users can identify all traded Issues that are included in the Standardized Options universe from the SMI offering. Once all Root Issues are known, SMI will provide EOD Pricing Details based on Official Closing Values for both Root and Options Symbol population.

IssueExt Files

The Issue Ext file shows details on the underlying symbol including company names and primary exchanges. The Issue Ext version of this file includes a field to identify if an issue is an ETF.

SeriesExt

The Series Ext files are the full options series master. The Series Ext files contain every strike that is listed including next day adds for every options exchange. There are multiple versions of this file based on the detail level of reference data on subscribing client's security master data attributes and their specific requirements.

IssueDeliverableExt

The Issue Deliverable files show the current deliverable values for all option symbols. There are multiple versions of this file based on the detail level of reference data on subscribing client's security master data attributes and their specific requirements.

Position Limit

The Position Limit file shows the current position limits for every underlying along with effective date and if applicable the revert limits and revert date. This information shows the maximum number of listed option contracts on a single security which can be held by an investor or group.

Near Term Position Limit

The Near-Term Position Limit files show which symbols have near term limits and their values. This information is used by financial industry firms to substantiate their Risk Level Trading thresholds.

Option Style

The Option Style file shows the contract style (American/European) and the settlement style (AM/PM) of each option.



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

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

United States

NY 13901, USA

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

Telephone: +1 607-238 -4438

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

Contact Information

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

Latin America & South East USA

Nick Castro

Business Development Manager

Cell: +1 954-261-1628

Email: n.castro@exchange-data.com

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)

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