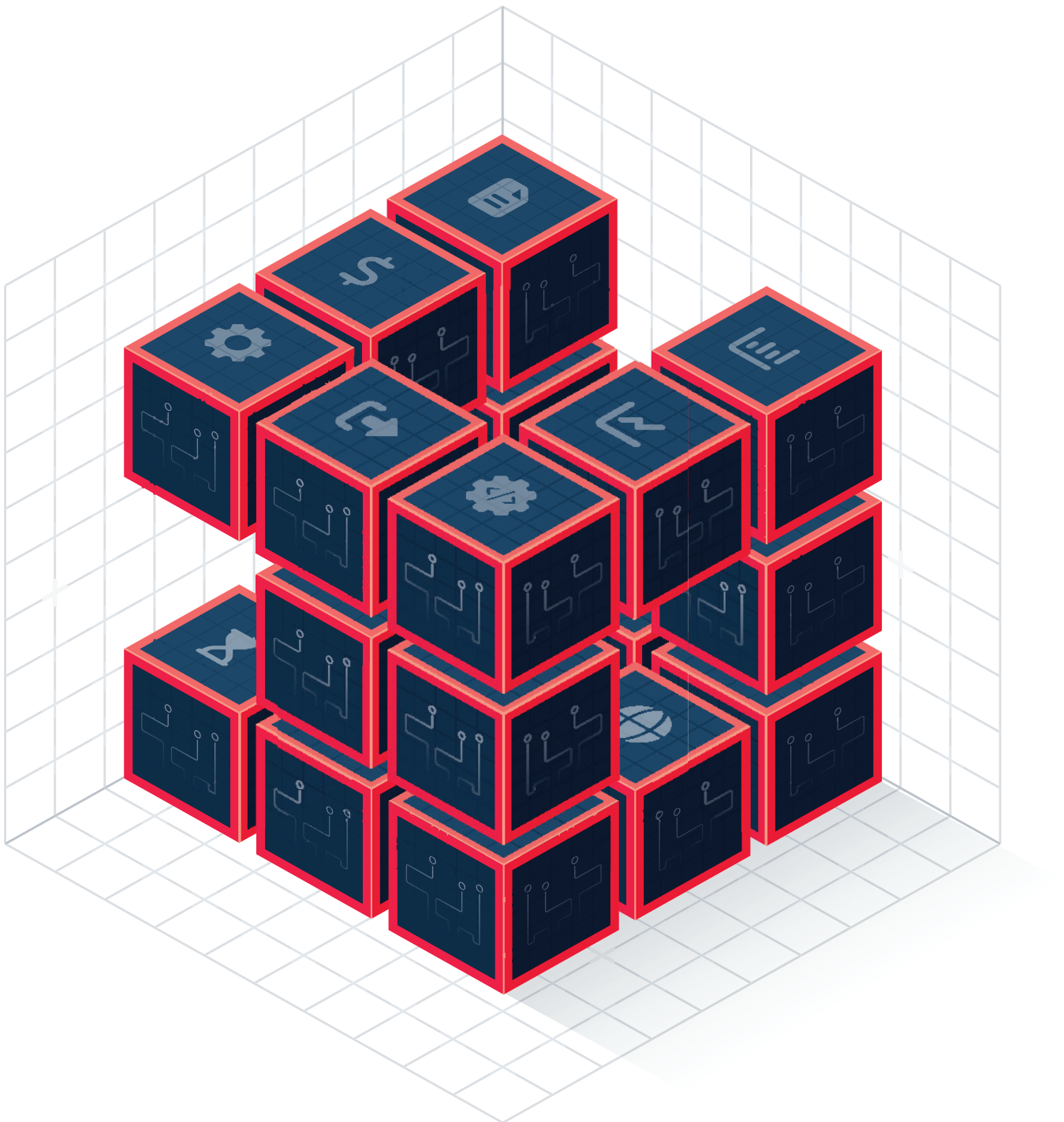


# Exchange Traded Derivatives



## 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.



**Please Note:** The statistics of this brochure are valid up to 03/07/2026. Request updated figures from your sales representative.

## Contents

Introduction .....	4
Reference Data.....	4
End-of-Day Pricing .....	5
Corporate Actions .....	5
China Futures Guide .....	6
U.S. Option Reference Data.....	9
Exchange Coverage.....	11
Specifications.....	14
ETD Closing Prices .....	14
Option Delta Feed .....	14
ETD Corporates Actions.....	16
ETD Corporate Actions Alert File.....	16
ETD Corporate Actions Notice Feed.....	17
ETD Corporate Actions Series Trading Lines Feed.....	22
ETD Corporate Actions Trigger Specifications .....	23
Derivative Trading Hours .....	24
Field Coverage for All Exchanges.....	25
Other Fields coverage for Exchanges.....	26
Futures and Options Contract Specification Database .....	34
FOCS Basic - Fields Coverage for All Exchanges.....	34
Other Fields coverage for Exchanges .....	35
FOCS Instrument - Fields Coverage for All Exchanges.....	44
FOCS Exchanges Coverages.....	45
Africa .....	45
Asia.....	45
Europe .....	46
Latin America & Caribbean .....	46
Middle East .....	47
North America.....	47
Oceania .....	47
Regulatory Groupings .....	48
Reference Data/Symbology.....	48
Symbology for Reference Data.....	48
Trading Information .....	49
Settlement/Delivery Information .....	49
Exchange Coverage.....	50

## Introduction

Exchange Traded Derivative (ETD) data is focused on Options, Futures, Options on Futures and exchange traded futures. Reference data, end-of-day pricing data and DerivActions are also available.

For equity options and single stock futures, EDI provides a corporate action feed linking the corporate action on the underlying security to the contract and series. DerivActions is a feed which intelligently provides subscribers with standard Exchange Corporate Actions announcements as well as Derivative Exchange Contract Adjustment notices.

EDI has mapped and collated thousands of underlying instruments for Exchange Traded Derivatives (ETD) to provide the backbone for this service.

In addition to the details of contract adjustments resulting from corporate actions events, subscribers are provided with a daily list of any derivatives affected by underlying events. This feed can be customized according to assets, securities, or exchanges of interest. Feeds are available via SFTP in XML, CSV and TXT formats and an online API is in development. Sample data is available on request.

## Reference Data

[Undertake quick and accurate reference checks](#)

Get up-to-date reference information on exchange traded Options, Futures, and Options on Futures 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
- Ticker
- ISIN
- Sedol
- FIGI/BBGID
- US Local Code
- Aii
- CFI
- CIC
- Security Description
- Underlying Instrument Details
- MIC Code
- Contract Size
- Exercise Style (American or European)
- OSI Symbol
- Expiry Date
- Strike Price
- Exercise Price

[Easily determine the underlying asset on which the equity derivatives price is based](#)

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

- Security Description
- ISIN /SEDOL™/Ticker
- Primary Exchange

## End-of-Day Pricing

Obtain fast access to accurate closing pricing data

Data elements include:

- |         |                 |
|---------|-----------------|
| ▪ High  | ▪ Ask           |
| ▪ Low   | ▪ Open Interest |
| ▪ Open  | ▪ Traded Value  |
| ▪ Close | ▪ Volume Traded |
| ▪ Bid   |                 |

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.

## Corporate Actions

Efficiently keep track of corporate actions affecting future and option contracts

DerivActions provides detailed Exchange Adjustment Notices information in a standardized, machine-readable format with a link to the original Exchange Notice, where provided.

In addition, DerivActions generates 2 feeds that may be used as an alert service, triggered by corporate actions on the underlying security:

- Corporate Action Alert Feed – List of all issuers with instruments linked to the affected underlying
- Derivative Series & Trading Lines – List of all the derivatives instruments linked to impacted equity

DerivActions is directly linked to our Worldwide Corporate Actions service and therefore covers all corporate action event types.

Clients can subscribe to the full universe or customize the feed at an exchange level, root codes or specific underlying trading lines. For example, clients can choose to receive details for OPRA on the following event types only:

- |                 |                     |               |
|-----------------|---------------------|---------------|
| ▪ Subdivision   | ▪ Merger            | ▪ Delisting   |
| ▪ Consolidation | ▪ Take Over         | ▪ Bonus       |
| ▪ Dividend      | ▪ Tender Offer      | ▪ Buy Back    |
| ▪ Rights        | ▪ Spin Off/Demerger | ▪ Name Change |

# China Futures Guide

## High-Quality Intraday Transaction Futures Data from ChinaTickData

ChinaTickData offers comprehensive datasets featuring high-quality intraday transaction data for all securities listed on the Chinese Futures Exchanges. Our tick data is specifically designed to support quantitative trading, backtesting, machine learning, and other advanced applications.

Note: For Chinese futures, tick data is captured as two snapshots per second.

### Snapshot Prices

All trades occurring between snapshots contribute to the changes in volume, reflected in both RMB amounts and contracts traded. Even if there are no changes from the most recent snapshot, a new snapshot will still be recorded, with the only update being the timestamp.

### Timestamps for China Futures

All timestamps are provided in China Standard Time (CST).

Important: Excel automatically attempts to convert millisecond timestamps into its time format, which can lead to errors. Please ensure you convert the millisecond timestamps to text when importing.

# Worldwide Options Analytics Service

*Including Greeks, Implied Volatilities, Issie Deliverables and FLEX coverage from both theoretical and market perspectives.*

Options pricing is complex, and relying on assumptions or smoothed volatility surfaces can obscure what the market is actually signalling.

Worldwide Option Analytics offers both a raw market and theoretical alternative— now enhanced with advanced analytics and implied signals.

Built on a proprietary file-based framework, Worldwide Option Analytics delivers independently evaluated values for each option strike, using implied volatility as the core input. The result is a transparent model dataset that highlights both market and theoretical dynamics and pricing inefficiencies, ideal for derivative and quantitative research, signal generation and risk analysis.

Expanded with advanced sensitivities and options-implied signals, Worldwide Option Analytics unifies end-of-day Greeks, daily risk metrics, and unique U.S. equity signals into a single dataset. This makes it not only a tool for research but also for portfolio risk testing, regulatory compliance, and alpha discovery.

Tailored solutions with assumptions and implied data enrichment available to direct consumers upon request.

## What are Option Greeks?

Options Greeks are key risk metrics used to measure the sensitivity of an option's price to various market factors. This offering provides these values as part of its Worldwide Option Analytics dataset, offering a clear and actionable view of market conditions without macro-economic assumptions and theoretical surface based on SSVI.

- **Delta:** Measures how much an option's price is expected to move based on a \$1 change in the underlying asset's price.
- **Gamma:** Tracks how much Delta is expected to change for each \$1 move in the underlying, giving insight into how stable an option's Delta is.
- **Theta:** Represents time decay, or how much value an option is expected to lose each day, holding all else constant.
- **Vega:** Measures an option's sensitivity to changes in implied volatility, a key factor in option pricing.
- **Rho:** Indicates how much the option's price would change with a 1% change in interest rates.

## Why They Matter

Understanding Greeks is essential for:

- Managing risk in options trading and portfolio strategies
- Designing and maintaining hedging structures
- Identifying pricing inefficiencies and liquidity
- Making informed decisions based on real market dynamics

Worldwide Option Analytics by EDI and Symbol Master delivers these values using real market data and a transparent calculation framework, giving users unmatched clarity and control.

### Market End of Day and Historical Greeks Coverage

Includes 24 countries including the United States

Covers G7 and emerging markets (see associated coverage list)

Asset Classes covered:

- Equity Options
- Equity index options

### Expanded Analytics Coverage

Worldwide Option Analytics now goes beyond Greeks alone:

#### Daily Options Sensitivities

- End-of-day values for Delta, Gamma, Vega, Theta, and Rho across global equity and index options.
- Enables portfolio-level analysis, stress testing, and hedging simulations.
- Supports regulatory frameworks such as IRS Section 871(m) delta testing and dividend-equivalent reporting.

#### Options-Implied Signals

- Over 40 unique daily signals for U.S. equities, ETFs, and ADRs.
- Adjusted for survivorship bias and accurately incorporates corporate actions (dividends, splits, mergers).
- Built for alpha generation, liquidity analysis, and quantitative strategy design.
- Full history available

### Why Choose Greeks Data?

- No macro-economic assumptions about the volatility surface. Each option strike is evaluated independently.
- Clarity through transparency using a “Reason” column for uncalculated values
- Built to reduce data noise and emphasize actionable information
- Ideal for derivative and quantitative seeking both market and theoretical market data inputs

### Coverage

Exchanges	Segment MIC	Exchange MIC	Country	G7 Countries
ASX - All Markets	XASX	XASX	Australia	
ASX - Trade24	XSFE	XASX	Australia	
Euronext Athens S.A. Derivatives Market	XADE	XADE	Greece	
B3 S.A.	BVMF	BVMF	Brazil	
BSE Ltd	XBOM	XBOM	India	
Eurex Exchange	XEUR	XEUR	Germany	X
Euronext - Euronext Brussels - Derivatives	XBRD	XBRU	Belgium	
Euronext - Mercado De Futuros E Opcoes	MFOX	XLIS	Portugal	
Euronext EQF, Equities And Indices Derivatives	XEUE	XEUE	Netherlands	

Euronext Paris Matif	XMAT	XPAR	France	X
Euronext Paris Monep	XMON	XPAR	France	X
Hong Kong Exchanges And Clearing Ltd	XHKG	XHKF	Hong Kong	
Hong Kong Futures Exchange Ltd.	XHKF	XHKF	Hong Kong	
ICE Endex Futures	NDEX	IFEU	Netherlands	
ICE Futures Europe	IFEU	IFEU	United Kingdom	X
ICE Futures Europe - Agricultural Products Division	IFLX	IFEU	United Kingdom	X
ICE Futures Singapore	XSES	XSES	Singapore	
ICE Futures Europe – Equity Products Division	IFLO	IFEU	United Kingdom	X
ICE Futures Europe – Financial Products Division	IFLL	IFEU	United Kingdom	X
ICE Markets Equity	IMEQ	IFEU	Netherlands	
Italian Derivatives Market	XDMI	XMIL	Italy	X
Korea Exchange (Futures Market)	XKFE	XKRX	Korea (the Republic of)	
MEFF Financial Derivatives	XMRV	XMRV	Spain	
MEFF Power Derivatives	XMPW	XMRV	Spain	
Mercado Mexicano de Derivados	XEMD	XEMD	Mexico	
Montreal Exchange	XMOD	XMOD	Canada	X
Nasdaq Stockholm AB - Danish EQ Derivatives	DKED	XCSE	Sweden	
Nasdaq Stockholm AB - Swedish EQ Derivatives	SEED	XSTO	Sweden	
National Stock Exchange of India	XNSE	XNSE	India	
OMIP - Polo Portugues, S.G.M.R., S.A. / OMIP Derivatives Market	OMIP	XLIS	Portugal	
<b>Oslo Bors ASA</b>	XOSL	XOSL	Norway	
Osaka Exchange	XOSE	XOSE	Japan	X
Saudi Stock Exchange	XSAU	XSAU	Saudi Arabia	
<b>Taiwan Futures Exchange</b>	XTAF	XTAF	Taiwan	
Turkish Derivatives Exchange	XFNO	XIST	Turkey	
United States all 18 US Options Exchanges			United States of America	X

## Specification

Field Name	Type	Description
MIC	String	Market Identifier Code. For Bombay Stock Exchange, this is XBOM.
RootExchangeCode	String	Exchange-specific code for the underlying security (e.g., BSE Scrip Code).
TickerSymbol	String	Symbol representing the option series (e.g., AATL25F1240).
ContractType	String	Type of the derivative contract: O for Option.
ContractSubtype	String	Subtype of the option: C for Call, P for Put.
ContractName	String	Full name of the option contract (e.g., APLAPOLLO25JUN1240CE).
ContractID	String	Unique identifier (hash) for the specific contract.
ContractAii	String	Alternative Instrument Identifier, including date and strike (custom code).
ContractExchangeCode	String	Underlying stock's exchange ticker/symbol.
ContractCurrency	String	Currency in which the option is traded (e.g., INR).
ContractDescription	String	Human-readable description of the contract.
ContractSize	Integer	Number of shares represented by one contract (lot size).
ExpirationDate	Date	Contract expiration date in DD/MM/YYYY format.
StrikePrice	Float	The strike (exercise) price of the option.
ExerciseStyle	String	Style of option exercise: E for European, A for American.
UnderlyingSecID	String	Internal security ID for the underlying asset.
UnderlyingMIC	String	MIC of the exchange where the underlying asset trades.
MarketCloseDate	Date	The date of the most recent market closes for this record.
High	Float	Daily high price of the option.
Low	Float	Daily low price of the option.
Open	Float	Opening price of the option on the most recent trading day.
Close	Float	Closing price of the option.
Last	Float	Last traded price of the option.
Settlement	Float	Final settlement price (if applicable).
UnderlyingISIN	String	ISIN (International Securities Identification Number) of the underlying security.
UnderlyingClosePrice	Float	Latest close price of the underlying security.
DividendYield	Float	Expected dividend yield of the underlying asset (decimal).
InterestRate	Float	Applicable risk-free interest rate (percent, decimal).
Volatility	Float	historical volatility used for valuation (decimal).

DaysToExpiration Integer Number of tradeable days remain until the option expires.

## U.S. Option Reference Data

Received through direct exchange notification and OCC announcements – processed and validated via Symbol Master Inc. (SMI)

Given Symbol Master Inc's core focus on Standardized Options, the primary offering includes 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 included in the Standardized Options universe. Once all Root Issues are known, SMI provides EOD Pricing Details based on Official Closing Values for both Root and Options Symbol population.

### Issue Extended Files

The Issue Extended files show details on the underlying symbol including company names and primary exchanges. The Issue Extension version includes a field to identify if an issue is an ETF.

### Series Extended Files

The Series Extended files are the full options series master. They contain every strike that is listed including next day adds for every options exchange. Multiple versions available based on the level of detail required for client-specific security master attributes.

### Issue Deliverable

The Issue Deliverable files provide the current deliverable values for all option symbols. Multiple versions are available, tailored to the detailed level of reference data required by clients.

### Position Limit

Position limits are preset underlying levels of ownership established by exchanges or regulators. These limits restrict the number of shares that a trader or any affiliated group of traders and investors can own. This information includes revert limits and revert dates to help firms substantiate their Risk Level Trading thresholds.

### Near Term Position Limit

The Near-Term Position Limit files show which symbols have near term limits either by shares or contracts and their values. Near-term position limits refer to preset levels of ownership established by exchanges or regulatory bodies. These limits restrict the number of shares or derivative contracts that a trader or any affiliated group of traders and investors can own. 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.

### Supplementary Content

Sourced Through ICE, OPRA, and OCC

### EOD Pricing Files

The EOD Pricing files contain end-of-day underlying level pricing captured in the Trade Summary Reports of the Primary Exchange. The files are available for both the universe of underlying symbols with active options and for the full equity universe.

### EOD Option Price

The EOD Option Price file contains end of day option level pricing and is captured in the Trade Summary Reports of the Primary Exchange.

### Open Interest

The Open Interest file is created in the morning and shows the starting open interest for all options.

### Option Volume

The Option Volume file is created in the morning and shows the previous day's option level volume as reported by OPRA.

**Option Strike Volume**

The Option Strike Volume file was created in the morning and shows the previous day's strike level volume as reported by OPRA.

**Option Cleared Volume**

The Option Cleared Volume is created in the morning and shows the previous day option level volume as reported by the OCC.

**Additional Datasets**

Received Through Proprietary Symbol Master Processes / Direct Exchange Notices / OCC Announcements

This content allows clients to receive the final data updates necessary to bridge the Reference data gap to position and risk management systems capabilities.

**Expiry Schedule**

The Expiry Schedule file lists active expiration dates and their associated expiration frequencies for all Standardized and FLEX Options.

**Series Option Chain**

The Series Option Chain file tracks which option symbols belong to each underlying for both standard and adjusted options.

**Series Expiry**

Customized file that contains a high-level view of what expiration dates are available for each option symbol. This content is used by automated trading consumers to automate the Roll Process for portfolio management purposes.

**Series Expiry Deletes**

Customized file that tracks when expirations are removed from the Series Expiry file. This content is used by automated trading consumers and market data vendors to automate the Roll Process for portfolio management purposes and the management of Actively traded symbols.

## Exchange Coverage

EDI has identified the following exchanges that offer options and/or futures derivatives.

EDI can provide a bespoke service to meet your data requirements. Please contact us if you would like a particular exchange that is not currently covered on the list below.

\* Redistribution license required

TBD – To be determined

Country	MIC Code	Exchange	Prices	Corporate Actions	Corporate Action Trigger	Estimated ETA (GMT)	Start Dates DD/MM/YYYY
Argentina	XMTB	Mercado A Termino De Buenos; Aires S.A.	X	n/a	n/a	23:40:00	02/01/2019
Argentina	ROFX	Rosario Future Exchange	X	n/a	X	23:00:00	02/01/2019
Australia*	XASX	Australian Securities Exchange	X	n/a	X	17:30:00	08/05/2021
Belgium	XBRU	Euronext Brussels	X	X	X	23:50:00	02/01/2019
Brazil*	BVMF	BM & FBOVESPA S.A. - Securities, Commodities and Futures Exchange	X	TBD	X	05:00:00 (Next Day)	02/01/2019
Canada	XMOD	The Montreal Exchange / Bourse De Montreal	X	X	X	11:00:00 (Next Day)	31/12/2018
Colombia	XBOG	Bolsa de Valores de Colombia	X	X	X	12:00:00 (next day)	11/07/2023
China	CCFX	China Financial Futures Exchange	X	n/a	n/a	14:00:00	22/12/2020
China	XDCE	Dalian Commodity Exchange	X	n/a	n/a	16:00:00	31/12/2018
China	XSGE	Shanghai Futures Exchange	X	n/a	n/a	11:30:00	02/01/2019
China	XZCE	Zhengzhou Commodity Exchange	X	n/a	n/a	13:00:00	12/10/2021
Denmark	XCSE	NASDAQ Copenhagen A/S	X	X	X	23:50:00	02/01/2019
Finland	XHEL	Nasdaq Helsinki / Finnish Stock Exchange	X	X	X	00:30:00 (Next Day)	02/01/2019
France	XMAT	Euronext Paris MATIF	X	n/a	n/a	00:30:00 (Next Day)	30/12/2020
France	XPAR	Euronext Paris	X	X	X	23:50:00	09/01/2017
Germany	XEEE	European Energy Exchange	X	n/a	n/a	01:00:00 (Next Day)	04/10/2020
Germany	XEUR	Eurex Deutschland	X	X	X	01:00:00 (Next Day)	02/01/2019
Greece	XADE	Euronext Athens S.A. Derivatives Market	X	X	X	23:50:00	02/01/2019
Hong Kong	XHKF	Hong Kong Futures Exchange	X	X	X	16:00:00	30/12/2018
Hungary*	XBUD	Budapest Stock Exchange	X	TBD	X	23:50:00	02/01/2019
India	XBOM	Bombay Stock Exchange	X	X	X	20:00:00	31/12/2018
India*	XNSE	National Stock Exchange of India	X	X	X	17:00:00	31/12/2018
India	MCXX	Multi Commodity Exchange (MCX Stock Exchange)	X	X	X	23:00:00	01/01/2019
India	XNCD	National Commodity & Derivatives Exchange LTD	X			17:00:00	07/07/2025
Indonesia	ICDX	Indonesia Commodity and Derivatives Exchange	X	X	X	11:00:00 (Next Day)	20/07/2023

Country	MIC Code	Exchange	Prices	Corporate Actions	Corporate Action Trigger	Estimated ETA (GMT)	Start Dates DD/MM/YYYY
Indonesia	XBBJ	Jakarta Future Exchange (Bursa Berjangka Jakarta)	X	n/a	n/a	23:50:00	07/06/2019
Iran	IMEX	Iran Mercantile Exchange	X	n/a	n/a	12:00:00	31/12/2018
Israel	XTAE	Tel Aviv Stock Exchange	X	X	X	19:30:00	31/12/2018
Italy	XMIL	Borsa Italiana S.P.A	X	X	X	00:30:00 (Next Day)	02/01/2019
Japan	XOSE	Osaka Exchange	X	X	X	01:00:00 (Next Day)	02/01/2019
Japan	XTFF	Tokyo Financial Exchange	X	n/a	n/a	12:00:00	02/01/2019
Japan	XJPX	Japan Exchange Group	X	n/a	X	12:00:00 (Next Day)	16/10/2024
Korea*	XKFE	Korea Exchange (Futures Market)	X	n/a	n/a	09:00:00	11/06/2019
Korea	XKRX	Korea Exchange (Stock Market)	X	X	X	16:00:00	02/01/2019
Malaysia*	XKLS	Bursa Malaysia	X	TBD	X	19:00:00	31/12/2018
Mexico	XEMD	Mexican Derivatives Exchange (MexDer)	X	TBD	X	01:00:00 (Next Day)	07/06/2017
Netherlands	XEUC	Euronext Com, Commodities Futures and Options	X	n/a	n/a	23:00:00	02/01/2019
Netherlands	XEUE	Euronext Eqf, Equities, and Indices Derivatives	X	n/a	n/a	01:00:00 (Next Day)	02/01/2019
Netherlands	NDEX	ICE Endex Futures	X	n/a	n/a	01:00:00 (Next Day)	02/01/2021
New Zealand*	NZFX	New Zealand Futures & Options	X	n/a	n/a	12:00:00	03/01/2019
Norway	XOSL	Oslo Bors ASA	X	X	X	23:50:00	03/01/2019
Pakistan	XKAR	The Pakistan Stock Exchange	X	TBD	X	19:00:00	31/12/2018
Poland	XWAR	Warsaw Stock Exchange	X	TBD	X	23:30:00	02/01/2019
Portugal	XLIS	Euronext Lisbon	X	X	X	00:30:00 (Next Day)	02/01/2019
Saudi Arabia	XSAU	Saudi Stock Exchange	X	X	X	15:30:00 (Next Day)	25/04/2023
Singapore	IFSG	ICE Futures Singapore	X	n/a	n/a	17:00:00	02/01/2019
Singapore	XSES	Singapore Exchange - Derivatives	X	n/a	n/a	12:00:00(Next Day)	31/12/2028
South Africa	XSFA	JSE Commodity Derivatives Market	X	n/a	n/a	23:50:00	02/01/2019
South Africa	XSAF	JSE Equity Derivatives Market	X	n/a	n/a	17:00:00	31/12/2018
Spain	XMRV	MEFF Financial Derivatives	X	X	X	01:00:00 (Next Day)	02/01/2019
Sweden	XSTO	Nasdaq Nordic Markets	X	X	X	23:50:00	02/01/2019
Taiwan	XTAF	Taiwan Futures Exchange	X	X	X	13:00:00 (Next Day)	02/01/2019
Thailand	TFEX	Thailand Futures Exchange	X	X	X	13:00:00 (Next Day)	02/01/2019
Turkey	XIST	Borsa Istanbul	X	X	X	23:50:00	31/12/2018
United Arab Emirates	DGCX	Dubai Gold & Commodities Exchange DMCC	X	X	X	22:00:00	22/10/2022
United Arab Emirates	DIFX	NASDAQ Dubai	X	X	X	16:00:00	31/12/2018
United Arab Emirates	DUMX	Dubai Mercantile Exchange	X	n/a	n/a	11:00:00 (Next Day)	31/12/2018
United Arab Emirates	XDFM	Dubai Financial Market	X	n/a	X	13:00:00 (Next Day)	19/12/2023

Country	MIC Code	Exchange	Prices	Corporate Actions	Corporate Action Trigger	Estimated ETA (GMT)	Start Dates DD/MM/YYYY
United Arab Emirates	XADS	Abu Dhabi Securities Exchange	X	n/a	X	12:00:00	24/04/2023
United Kingdom	IFEU	ICE Futures Europe	X	X	X	01:00:00 (Next Day)	31/12/2018
United Kingdom*	XLME	London Metal Exchange	X	n/a	n/a	00:30:00 (Next Day)	08/12/2020
United States	AMXO	NYSE Amex Options	X	X	X	09:00:00 (Next Day)	31/12/2018
United States	ARCX	NYSE ARCA Options	X	X	X	12:00:00 (Next Day)	31/12/2018
United States	BATS	CBOE BZX U.S. Equities Exchange	X	X	X	22:30:00	31/12/2018
United States	C2OX	C2 Options Exchange Inc. (CBOE)	X	X	X	13:30:00 (Next Day)	31/12/2018
United States	EDGX	EDGX Exchange (CBOE EDGX U.S. Equities Exchange)	X	X	X	08:00:00 (Next Day)	31/12/2018
United States	GMNI	Nasdaq GMX (ISE Gemini Exchange)	X	X	X	08:00:00 (Next Day)	31/12/2018
United States	IFUS	ICE Futures U.S.	X	n/a	n/a	08:00:00 (Next Day)	31/12/2018
United States	MCRY	Nasdaq MRX (ISE Mercury, LLC)	X	X	X	08:30:00 (Next Day)	31/12/2018
United States	MPRL	Miami International Securities Exchange	X	X	X	09:00:00 (Next Day)	31/12/2018
United States	OPRA	Options Price Reporting Authority	X	X	X	05:00:00 (Next Day)	31/12/2018
United States	XASE	NYSE Mkt Llc	X	X	X	12:00:00 (Next Day)	31/12/2018
United States	XBOX	Boston Options Exchange (TMX Group) (BOX Options Exchange)	X	X	X	13:00:00 (Next Day)	31/12/2018
United States	XBXO	NASDAQ OMX BX Options	X	X	X	12:30:00 (Next Day)	31/12/2018
United States	XCBT	Chicago Board of Trade	X	n/a	n/a	23:00:00	31/12/2018
United States*	XCBF	CBOE Futures Exchange	X	X	X	11:30:00 (Next Day)	31/12/2018
United States*	XCBO	CBOE - Chicago Board Options Exchange (CBOE Global Markets Inc.)	X	X	X	12:00:00 (Next Day)	31/12/2018
United States	XCEC	Commodities Exchange Centre	X	n/a	n/a	11:30:00 (Next Day)	31/12/2018
United States	XCME	Chicago Mercantile Exchange (CME)	X	n/a	n/a	11:30:00 (Next Day)	31/12/2018
United States	XISE	Nasdaq ISE (International Securities Exchange, LLC - Equities)	X	X	X	12:00:00 (Next Day)	31/12/2018
United States	XMGE	Minneapolis Grain Exchange	X	n/a	n/a	12:45:00	31/12/2018
United States	XMIO	Miami International Securities Exchange	X	X	X	08:30:00 (Next Day)	31/12/2018
United States	XNAS	NASDAQ - All Markets	X	X	X	10:00:00 (Next Day)	31/12/2018
United States	XNDQ	Nasdaq Options Market	X	X	X	08:00:00 (Next Day)	31/12/2018
United States	XNYM	New York Mercantile Exchange	X	X	X	12:00:00 (Next Day)	31/12/2018
United States	XNYS	New York Stock Exchange, Inc.	X	X	X	12:30:00 (Next Day)	31/12/2018
United States	XPHL	NASDAQ PHL	X	X	X	08:30:00 (Next Day)	31/12/2018
United States	NODX	Nodal Exchange	X	n/a	n/a	12:00:00 (Next Day)	13/02/2025
United States	MIAX	MIAX Pearl	X	n/a	n/a	14:00:00	27/05/2025
Vietnam*	XHNF	Hanoi Stock Exchange - Derivatives	X	n/a	n/a	04:30:00 (Next Day)	16/10/2020

# Specifications

## ETD Closing Prices

Element Name	Data Type	Format	Max Width	Lookup TypeGroup	Field Description
Operating MIC	char	string	4		Operating MIC
MIC	char	string	4		MIC (Market segment)
Root ID	Integer	Big Integer	20		EDI internal root code for the Product
Root Exchange Code	char	Alphanumeric	20		Exchange root code for the Product
Contract Type	char	string	1	F or O	Indicator showing if the contract is a Future (F) or an option (O)
Contract Subtype	char	string	1	P or C	Indicator showing if the contract sub type is a Put(P) or Call (C)
Contract ID	Integer	BigInteger	20		EDI internal ID for Contract
Contract All	char	Alphanumeric	50		EDI All for Contract based on standard methodology
Contract Exchange Code	char	charstring	30		Exchange symbol or ticker for the Contract
High	decimal	decimal(12,5)	17		The contract high price for the day.
Low	decimal	decimal(12,5)	17		The contract low price for the day.
Open	decimal	decimal(12,5)	17		The contract open price.
Close	decimal	decimal(12,5)	17		The contract close price.
Last	decimal	decimal(12,5)	17		The contract close price.
Ask	decimal	decimal(12,5)	17		The last bid of the day.
Bid	decimal	decimal(12,5)	17		The last open of the day.
Bid Size	Numeric	decimal(12,5)	20		The last bid size of the day.
Ask Size	Numeric	decimal(12,5)	20		The last ask size of the day.
Traded Volume	int	integer	10		The total number of contracts transacted in the day or session.
Traded Value	decimal	Decimal (20,5)	25		The total value of contracts traded during the day.
Total Trades	int	integer	20		The total number of trades in this security (contract).
Margin Price	decimal	Decimal (20,5)	25		The exchange published price for margin calculations.
Open Interest	int	integer	10		The total number of derivative contracts that have not been settled.
Close Date	date	YYYY-MM-DD	10		Date of Close (File)
Close Time	time	HH:MM:SS	10		Time of Close (File)

## Option Delta Feed

Field Name	Data Type	Sample	Description
Market Close Date	Character [12]	22/11/2016	Market Close Date (MM/DD/YYYY)
Contract Name	Varchar [32]	AMZN161125C00667500	OCC Options Contract Symbol
Contract Code	Varchar [32]	AMZN6KPC667500	Internal Contract Symbol
Root Symbol	Varchar [16]	AAPL7	Options Root Symbol
Ticker Symbol	Varchar [16]	AAPL	Underlying Ticker Symbol
Issuer Name	Varchar [256]	Apple Inc.	Underlying Issuer Name
Underlying ISIN	Character [12]	US0231351067	ISIN of underlying security
Security Type	Varchar [32]	Equity	Underlying Security Type (e.g. Equity, Index, ETF, Futures)
Currency	Character [3]	USD	Currency
Country	Character [2]	US	Country of Registration
Exchange Name	Varchar [64]	Chicago Board Option Exchange (OPRA)	Name of the Exchange where options trade
Put Call Indicator	Binary [1]	P	"C" for call and "P" for put
Exercise Style	Binary [1]	A	"A" for American and "E" for European
Expiration Date	Character [12]	25/11/2016	Options Expiration Date (MM/DD/YYYY)
Contract Size	Integer	100	Contract size
Days to Expiration	Integer	60	Number of days from market close date to option expiration
Strike	Float	785	Options Strike Price
Underlying Price	Float	785.33	Underlying Price
Option Premium	Float	52.325	EOD Options Price as of market close date
Delta	Double Precision	-0.455375	Options Delta

Element Name	Data Type	Format	Max Width	Lookup TypeGroup	Field Description
Operating MIC	char	charstring	4		Operating MIC
MIC	char	charstring	4		MIC (Market segment)
Root ID	Integer	BigInteger	20		EDI internal root code for the Product
Root Exchange Code	char	Alphanumeric	20		Exchange root code for the Product.
Contract Type	char	string	1	F or O	Indicator showing if the contract is a Future (F) or an Option(O)
Contract Subtype	char	string	1	P or C	Indicator showing if the contract sub type is a Put(P) or Call (C). If Future stays F.
Short Description	varchar	string	255		Short description of the contract.
Contract ID	Integer	BigInteger	20		EDI internal ID for Contract
Contract All	char	Alphanumeric	50		EDI All for Contract based on standard methodology
Contract Exchange Code	char	charstring	30		Exchange symbol or ticker for the Contract
Contract ISIN	char	charstring	12		ISIN for the Contract (not always available)
Contract Sedol	char	charstring	7		Sedol for the Contract
Contract FIGI	char	charstring	12		BBGID for the Contract
Contract CFI Code	char	string	6		CFI code for determining what the contract is.
Contract OSI Code	char	Alphanumeric	50		OSI code for the Contract
Contract Currency	char	string	3		ISO currency code for the contract.
Contract Description	varchar	string	255		English description of the Contract.
Contract Size	decimal	decimal(12,5)	17		The number of units for the contract expressed in the unit of measure.
Measure Type	char	char	1		The underlying unit of measurement for the contract.
Expiry Date	date	YYYY-MM-DD	10		Contract expiry date
Strike Price	decimal	decimal(10,0)	10		Exercise price for option. Zero filled if not needed
Exercise Style	char	char	1	A or E or X	Exercise type for options A=American or E=European or X=Not applicable.
Delivery Type	char	char	1		Settlement type
Underlying Sec Description	char	char	255		Description of the underlying security.
Underlying ISIN	char	char	12		Underlying security ISIN for the contract.
Underlying Exchange Code	char	char	12		Exchange product code/symbol of the security underlying contract.
Sec ID	Integer	BigInteger	10		EDI Internal id for Underlying security
Underlying CFI	char	char	6		FK to details of the security type underlying the contract.
Close Date	date	YYYY-MM-DD	10		Date of the End of Day pricing delivery

# ETD Corporates Actions

## ETD Corporate Actions Alert File

Key fields to link other tables

Field Name	Data Type	Format	Description
Edi Event Code	VarChar	Char String	Event type code
Edi Event ID	Integer	32 bit	Unique global Event Identifier combined with Event type code
Sec ID	Integer	32 bit	Unique global level Security ID (can be used to link all multiple listings together)
Underlying ISIN			
Issuer Name	VarChar	String	Name of Issuer
Exchange Code	Char	String	EDI maintained Exchange code. Equivalent to the MIC code but necessary as MIC might not be available in a timely fashion.
Local Code	VarChar	String	Local code unique at Market level - a ticker or number
Ex- Date	Date	YYYY/MM/DD	Date from which the security is traded without benefit (ex)
Record Date	Date	YYYY/MM/DD	Record Date
Pay Date	Date	YYYY/MM/DD	Date on which the benefit will be paid to the shareholders
Pay Date 2	Date	YYYY/MM/DD	If Stock Paydate different from Cash on a Cash and Stock Div
Announced Date	Date	YYYY/MM/DD	Date when event was announced
FYE Date	Date	YYYY/MM/DD	Financial Year End date
Old Par Value	Decimal	14.5	Par Value may change in Consolidation. Both are provided for reference.
New Par Value	Decimal	14.5	Par Value may change in Consolidation. Both are provided for reference.
Ratio Old	Decimal	15.7	Number of old shares
Ratio New	Decimal	15.7	Number of new shares
Start Subscription	Date	YYYY/MM/DD	Subscription period within which the shareholders wishing to subscribe to the benefit must do so.
End Subscription	Date	YYYY/MM/DD	Subscription period within which the shareholders wishing to subscribe to the benefit must do so.
Start Trade	Date	YYYY/MM/DD	Starting date for trading in tradeable rights i.e. shareholders wishing to renounce their rights by selling them in market.
End Trade	Date	YYYY/MM/DD	Last date for trading in tradeable rights i.e. shareholders wishing to renounce their rights by selling them in market.
Offered Security Code	Char	Char String	Offered Security Type
Merger Status	Char	Char String	Progress of the Merger
Effective Date	Date	YYYY/MM/DD	Effective Date
Min Price	Decimal	14.5	Price range within which the event would take place.
Max Price	Decimal	14.5	Price range within which the event would take place.
Min Qualified Quantity	Integer	64 bit	If the quantity held by shareholder is within this range then he qualifies for taking part in the event.
Max Qualified Quantity	Integer	64 bit	If the quantity held by shareholder is within this range then he qualifies for taking part in the event.

## ETD Corporate Actions Notice Feed

Key fields to link other tables

Field Name	Data Type	Format	Description
ENTRY_ID	Integer	Numeric	Serial number given to each entry
EXCHANGE_NAME	Char	String	Name of the Clearing House
EDI_EVENT_ID	Integer	Numeric	Unique global Event Identifier combined with Event type code
EDI_EVENT_CODE	Char	String	Event type code see EVENT feed
ISSUER_NAME	Char	String	Name of the Issuer
SECURITY_DESCRIPTION	Varchar	String	Description of the futures contract
PRIMARY_EXCHANGE_CODE	Char	String	It is the code of the main stock exchange where a publicly traded company's stock is bought and sold
MIC	Varchar	String	Market identifier code for industry segments
LOCAL_CODE	Varchar	String	Local code unique at the market level - a ticker or number
EVENT_DATE	Date	YYYY-MM-DD	It is the date when the Event is updated
UNDERLYING_ISIN	Varchar	String	Underlying security ISIN of the contract
DOC_ID	Varchar	Numeric	Exchange issued unique reference number for the document
SUBJECT	Varchar	String	Title Description of the document
FUTURE_EFFECTIVE_DATE	Varchar	YYYY-MM-DD	The date when the event became effective.
FUTURE_PURCHASER	Char	String	Name of the Future Issuer
SECURITY_TO_BE_PURCHASED	Varchar	String	Security To be purchased by the purchaser
QUANTITY	Varchar	String	Quantity of the new security to be purchased by the purchaser
UNDERLYING_SECURITY_PRICE	Varchar	Numeric	The price at which the underlying asset is purchased or sold as per the corporate action event (only the cash part is considered)
FUTURE_EXPIRATION	Varchar	YYYY-MM-DD	Expiry date and time of the contract
FUTURE_DEPOSITARY	Varchar	String	If a corporate action like merger or tender offer occurs, depositary manages the transfer of cash and stock to the appropriate investment bank or broker/dealer, which then passes it on to their investors
FUTURE_GUARANTY_PERIOD	Varchar	String	The period when valid delivery is subsequently made within the specified "guaranty period"
OPTION_DELIVERABLE_PER_CONTRACT	Varchar	String	Deliverable quantity of commodities or financial instruments underlying futures and option contracts that are traded on an exchange
OPTION_EFFECTIVE_DATE	Varchar	YYYY-MM-DD	The date when the event became effective.
OPTION_SYMBOL	Varchar	String	Previous Option Symbol
OPTION_NUMBER_OF_CONTRACT	Varchar	Numeric	Number Of Contracts Outstanding
OPTION_US_CODE/CUSIP	Varchar	String	CUSIP/USCODE of the underlying equity or index
OPTION_STRIKE_PRICE	Varchar	Numeric	The strike price (or exercise price) of an option is the fixed price at which the owner of the option can buy (in the case of a call), or sell (in the case of a put), the underlying stock used interchangeably with exercise price
OPTION_MULTIPLIER	Varchar	String	The multiplier/factor needed to calculate the minimum tick for premium/strike price
OPTION_SETTLEMENT	Varchar	String	It tells whether the settlement will be in cash or kind along with the terms of settlement
OPTION_PRICING	Varchar	String	Price of the option contract
OPTION_ACCELERATION_OF_EXPIRATIONS	Varchar	String	In the event of a corporate action like merger where the corporation is not the surviving entity, the sale of substantially all of the assets of the corporation or an exchange or purchase from shareholders of their stock of the corporation, who requires the vote or consent of shareholders, then the expiration date of these options shall accelerate to be the date of such a corporate action
OPTION_CONTRACT_MULTIPLIER	Varchar	String	The multiplier/factor needed to calculate the minimum tick for premium/strike price

OPTION_STRIKE_DIVISOR	Varchar	String	This factor is used to calculate new Strike Price after a corporate action has taken
OPTION_NEW_MULTIPLIER	Varchar	String	place. The changed multiplier after contract adjustment is effected
FUTURE_SYMBOL	Varchar	String	Previous Future Symbol
FUTURE_NEW_SYMBOL	Varchar	String	Future adjusted symbol
FUTURE_STRIKE_DIVISOR	Varchar	String	This factor is used to calculate new Strike Price after a corporate action has taken place.
FUTURE_CONTRACT_MULTIPLIER	Varchar	String	The multiplier/factor needed to calculate the minimum tick for premium/strike price
FUTURE_NEW_MULTIPLIER	Varchar	String	The changed multiplier after contract adjustment
FUTURE_DELIVERABLE_PER_CONTRACT	Varchar	String	Deliverable quantity of commodities or financial instruments underlying futures and option contracts that are traded on an exchange
FUTURE_PRICING	Varchar	String	Price of the future contract
FUTURE_US_CODE/CUSIP	Varchar	String	CUSIP/USCODE of the underlying equity or index
FUTURE_DELAYED_SETTLEMENT	Varchar	String	Information about delayed delivery of the securities with respect to the settlement date
OPTION_ADJUSTED_STRIKE_PRICE	Varchar	String	New strike price of a contract
FUTURE_ADJUSTED_STRIKE_PRICE	Varchar	String	New strike price of a contract
OPTION_PURCHASER	Varchar	String	Purchaser of the security in case of purchase offer
OPTION_OFFER_TERMS	Varchar	String	The new security that is being offered for Corporate Actions like Exchange Offer, Purchase Offer etc.
OPTION_EXPIRATION	Varchar	String	Expiry date and time of the contract
OPTION_DEPOSITARY	Varchar	String	If a corporate action like merger or tender offer occurs, depositary manages the transfer of cash and stock to the appropriate investment bank or broker/dealer, which then passes it on to their investors
OPTION_GUARANTY_PERIOD	Varchar	String	The period when valid delivery is subsequently made within the specified "guaranty period"
FUTURE_OFFER_TERMS	Varchar	String	The new security that is being offered for Corporate Actions like Exchange Offer, Purchase Offer etc.
OPTION_DELAYED_SETTLEMENT	Varchar	String	Information about delayed delivery of the securities with respect to the settlement date
FUTURE_SETTLEMENT_ALLOCATION	Varchar	String	It is the process of allocating the wealth of a company, usually in a percentage, among the partners.
OPTION_SETTLEMENT_ALLOCATION	Varchar	String	It is the process of allocating the wealth of a company, usually in a percentage, among the partners.
FUTURE_SETTLEMENT	Varchar	String	It tells whether the settlement will be in cash or kind along with the terms of settlement
FUTURE_ACCELERATION_OF_EXPIRATIONS	Varchar	String	In the event of a corporate action like merger where the corporation is not the surviving entity, the sale of substantially all of the assets of the corporation or an exchange or purchase from shareholders of their stock of the corporation, that requires the vote or consent of shareholders, then the expiration date of these options shall accelerate to be the date of such a corporate action
FUTURE_CONTRACT_ON_DIVIDEND_OF_STOCKS_REFERENCE	Varchar	String	Single Stock Dividend Future symbol
DETAILS	Varchar	String	Source of information
ADJUSTMENTS	Varchar	String	All important details of the contract
METHOD	Varchar	String	All adjustments held in a company because of any corporate action.
RATIO	Varchar	String	Method used to determine the new share price.
FUTURE_LOT_SIZE	Varchar	String	Factor that results due to the underlying event
			All details regarding the quantity of shares need to be ordered.

FUTURE_POSITION_AND_EXERCISE_LIMIT	Varchar	String	Open position-number of open position, Exercise limit- A restriction on the amount of option contracts of a single class that any one person or company can exercise within a fixed time period
FUTURE_VARIATION_MARGIN	Varchar	String	The variation margin is not collateral, but a daily payment of profits and losses.
FUTURE_SINGLE_STOCK_DIVIDEND	Varchar	String	Details of the use of ordinary dividend to calculate EDSP.
OUTSTANDING_ORDERS	Varchar	String	Details about the cancellation of the contract.
OPTION_LOT_SIZE	Varchar	String	All details regarding the quantity of shares need to be ordered.
OPTION_POSITION_AND_EXERCISE_LIMIT	Varchar	String	A restriction on the amount of option contracts of a single class that any one person or company can exercise within a fixed time period
OPTION_DIVIDEND	Varchar	String	Details of the effect of dividend on the contract.
INTEREST_RATE	Varchar	String	The Effects of Interest Rates on the contract.
ORDERS	Varchar	String	Details about the cancellation of the contract.
FUTURE_DIVIDEND	Varchar	String	Details of Dividend information of the company.
FUTURE_NEW_CONTRACT	Varchar	String	It is the adjusted contract of the existing contract.
CUM_EVENT_PRICE	Varchar	Numeric	Official closing price before the corporate action has occurred.
OTHER_ADJUSTMENTS	Varchar	String	All other details that are not covered in broader head.
TRADING_FEES	Varchar	Numeric	Fees which allow investors to buy and sell trades online.
EDSP	Varchar	Numeric	Exchange delivery settlement price.
FUTURE_FURTHER_MATURITIES	Varchar	String	Maturity of the contract
OPTION_EQUALISATION_PAYMENT	Varchar	String	The amount that will be credited to the holders of long call and put positions and debited from the holders of short call and put positions.
OPTION_FURTHER_SERIES	Varchar	String	Information about the new series of the contract will be given.
PRODUCT_ISIN_OLD	Varchar	String	Unique international code for a product
PRODUCT_ISIN_NEW	Varchar	String	Unique international code for a product
R_FACTOR	Integer	String	It is an Adjustment Factor which is required to show the effect of a particular corporate action on the contract.
RULES_AND_REGULATIONS	Varchar	String	Entire rules and regulations of the contract.
OPTION_ADJUSTMENT_OF_STRIKE_PRICE_AND_CONTRACT_SIZES	Varchar	String	All detailed adjustment of strike price and contract size.
FUTURE_ADJUSTMENT_OF_CONTRACT_SIZE_AND_VARIATION_MARGIN	Varchar	String	All detailed adjustment of strike price and contract size.
FUTURE_INTRODUCTION_OF_A_NEW_CONTRACT	Varchar	String	Details of the new contract.
ORDER_CANCELLATION	Varchar	String	Details about when the cancellation will be held.
RE_DESIGNATION	Varchar	String	Details of re-designation
OPTION_NEW_CONTRACT	Varchar	String	Adjusted new contract.
MISCELLANEOUS	Varchar	String	All other details of the contract.
FUTURE_MULTIPLIER	Varchar	String	The multiplier/factor needed to calculate the minimum tick for premium/strike price
FUTURE_CONTRACT_ON_DIVIDEND_OF_STOCKS_NEW	Varchar	String	Single Stock Dividend New Future symbol

OPTION_IMPLIED_VOLATILITY	Varchar	String	It is the projected future volatility
OPTION_CONTRACT	Varchar	String	Details of the existing contract.
OFFER_PERIOD	Varchar	String	The period up to which the contract will be valid.
EXERCISES	Varchar	String	It contains the deadline for submitting Exercise instructions for contract.
FUTURE_ADJUSTED_SETTLEMENT_PRICE	Varchar	String	New settlement price
OPTION_ADJUSTED_SETTLEMENT_PRICE	Varchar	String	New settlement price
OPTION_CONTRACT_ON_DIVIDEND_OF_STOCKS	Varchar	String	Option Symbol
OPTION_CONTRACT_ON_DIVIDEND_OF_STOCKS_NEW	Varchar	String	Option new symbol
OPTION_FURTHER_MATURITIES	Varchar	String	Maturity of the contract
FUTURE_IMPLIED_VOLATILITY	Varchar	String	It is the projected future volatility
FUTURE_FURTHER_SERIES	Varchar	String	Information about the new series of the contract will be given.
SEC_ID	Varchar	Numeric	Unique identifier given to each security
UNDERLYING_CORPORATE_ACTION_PRICE	Varchar	String	The price of Corporate action event which is causing adjustment in the derivative contracts.
ADJUSTED_CONTRACT_PRICE	Varchar	String	The new price of the contract after corporate action on the underlying has occurred
OPTION_HISTORIC_VOLATILITY	Varchar	String	Historical volatility (HV) is the volatility experienced by the underlying stock, stated in terms of annualized standard deviation as a percentage of the stock price.
FUTURE_HISTORIC_VOLATILITY	Varchar	String	Historical volatility (HV) is the volatility experienced by the underlying stock, stated in terms of annualized standard deviation as a percentage of the stock price.
WORLD_MARKET_CONVERSION_RATE	Varchar	Numeric	Currency conversion rate.
OPTION_INTRODUCTION_OF_A_NEW_CONTRACT	Varchar	String	Details of the new contract.
FUTURE_INTER_MONTH_SPREAD_MAINTENANCE_MARGIN	Varchar	String	The futures contract months do not always move in synchronous manner. To account for the difference in price movement in certain contract months, Inter-Month Spread Charges to the Commodity Scanning Risk of a portfolio. So the margin changes.
FUTURE_MAINTENANCE_MARGIN	Varchar	String	The maintenance margin is the minimum amount a futures trader is required to maintain in his margin account in order to hold a futures position. The maintenance margin level is usually slightly below the initial margin
OPTION_MONEYNESS	Varchar	String	Moneyness describes the intrinsic value of an option in its current state.
ADJUSTED_CONTRACT_SIZE	Varchar	String	The changed contract size due to corporate action adjustment.
FREEZE_LIMIT	Varchar	String	Freeze limits helps to regulate the flow of orders within a certain specified quantity and avoid flash moves in either direction.
EXPIRY_DATE_OF_OLD_CONTRACT	Varchar	String	The date on which the existing contracts will expire before the expiry date due to Corporate Action.
FIRST_DAY_OF_TRADING_OF_NEW_CONTRACT	Varchar	String	The starting date of the new contract after the expiration of the old contract.
EXPIRY_DATE_OF_NEW_CONTRACT	Varchar	String	The expiry date of the new contract.
FUTURE_ADJUSTED_PRICE	Varchar	Numeric	The adjusted price for the derivative contracts after the corporate action adjustment.
OPTION_ADJUSTED_PRICE	Varchar	Numeric	The adjusted price for the derivative contracts after the corporate action adjustment.
SETTLEMENT_PRICE	Varchar	Numeric	The Price used for daily re-valuation of open position.
FUTURE_DISTRIBUTION_RATIO	Varchar	String	It is the proportion of allocating wealth of a company to the shareholders due to various reasons or distributing the wealth between two companies due to merger.
OPTION_DISTRIBUTION_RATIO	Varchar	String	It is the proportion of allocating wealth of a company to the shareholders due to various reasons or distributing the wealth between two companies due to merger.

FUTURE_CONTRACT_ON_STOCKS	Varchar	String	Future symbol.
FUTURE_CONTRACT_ON_STOCKS_NEW	Varchar	String	New future symbol.
OPTION_CONTRACT_ON_STOCKS	Varchar	String	Option symbol.
OPTION_CONTRACT_ON_STOCKS_NEW	Varchar	String	New option symbol.
OPTION_DELIVERABLE_PER_CONTRACT_1	Varchar	String	Extra field added as requested by client (Additional Information for DELIVERABLE_PER_CONTRACT field in different format).
FUTURE_DELIVERABLE_PER_CONTRACT_1	Varchar	String	Extra field added as requested by client (Additional Information for DELIVERABLE_PER_CONTRACT field in different format).
FUTURE_OFFER_PRICE	Varchar	String	The price that is being offered for Corporate Actions like Exchange Offer, Purchase Offer etc.
OPTION_OFFER_PRICE	Varchar	String	The price that is being offered for Corporate Actions like Exchange Offer, Purchase Offer etc.
PRIMARY_PDF_LINK	Varchar	String	The link to the original Corporate Action Announcement document
OLD_NAME	Varchar	String	Old Name of the Issuer
NEW_NAME	Varchar	String	New Name of the Issuer

## ETD Corporate Actions Series Trading Lines Feed

Key fields to link other tables

Element Name	Data Type	Format	Max Width	Field Description
All Code	varchar	string	50	Exchange All at series level for the instrument
Issuer Name	varchar	string	70	Name of Issuer
Primary Exchange Code	char	string	6	Exchange code for the primary listing.
Security Description	varchar	string	255	English description of the future contract.
Local Code	varchar	string	50	Local code unique at Market level – a ticker or number
Event Date	date time	YYYY-MM-DD HH:MM:SS	21	Date when Event updated
Short Description	varchar	string	20	English small description of the future contract
Expiry Date	date	YYYY-MM- DD		Contract expiry date
Strike Price	decimal	decimal		Excise price for option. Zero filled if not needed
ISIN Code	char	string	12	Series ISIN Code
Official Place of Listing	char	string	4	Official listing Market identifier code
Security MIC	char	string	4	Market identifier code
Security Root Code	varchar	string	20	The root code as distributed by the exchange
Underlying ISIN	char	string	12	underlying security ISIN for the future contract.
Edi Event Code	varchar	string	10	Event type code see lookup EVENT feed
Edi Event ID	int	numeric	10	Unique global Event Identifier combined with Event type code

## ETD Corporate Actions Trigger Specifications

Key fields to link other tables

Element Name	Data Type	Format	Max Width	Field Description
eventcd	VarChar	Char String	10	Event type code
eventid	Integer	32 bit	10	Unique global Event Identifier combined with Event type code
Actflag	Char	Char String	1	Event Level Action Status
Changed	Date	YYYY/MM/DD HH:MM:SS	19	Date event updated.
Created	Date	YYYY/MM/DD	10	Date event first entered
Secid	Integer	32 bit	10	Unique global level Security ID (can be used to link all multiple listings together)
Isin	Integer	32 bit	10	Unique global level Issuer ID (can be used to link all securities of a company together)
Uscode	Char	Char String	9	USCode (global level identifier)
Issuename	VarChar	Char String	70	Name of Issuer
Cntryofincorp	Char	Char String	2	ISO Country of Incorporation of Issuer
Sectycd	Char	Char String	3	Type of Equity Instrument
Securitydesc	VarChar	Char String	70	Security Description
Statusflag	Char	Char String	1	Inactive at the global level else security is active. Not to be confused with delisted which is inactive at the exchange level
Primaryexchgcd	Char	Char String	6	Exchange code for the primary listing (empty if unknown)
Exchgcd	Char	Char String	6	EDI maintained Exchange code. Equivalent to the MIC code but necessary as MIC might not be available in a timely fashion.
Mic	Char	Char String	4	ISO standard Market Identification Code
Localcode	VarChar	Char String	50	Local code unique at Market level - a ticker or number
Liststatus	Char	Char String	1	Indicates whether a security is Listed on an Exchange or Unlisted Indicates Exchange Listing Status
Date1type	VarChar	Char String	20	Type of calendar date
Date1	Date	YYYY/MM/DD	10	Calendar date
Date2type	VarChar	Char String	20	Type of calendar date
Date2	Date	YYYY/MM/DD	10	Calendar date
Date3type	VarChar	Char String	20	Type of calendar date
Date3	Date	YYYY/MM/DD	10	Calendar date
Date4type	VarChar	Char String	20	Type of calendar date
Date4	Date	YYYY/MM/DD	10	Calendar date
Ticker_symbol	VarChar	Char String	50	Local code the Derivative Contract
Contract_name	VarChar	Char String	70	Name of issuer
Contract_size	Varchar	32 bit	10	Contract size of the Derivatives
Expiry_	Date	YYYY/MM/DD	10	Date when contract will expire
EDI Event Code	varchar	string	10	Event type code see lookup EVENT feed
EDI Event ID	int	numeric	10	Unique global Event Identifier combined with Event type code

## Derivative Trading Hours

The Derivative Exchanges Trading Hours (DTH) service provides timely and accurate information on trading hours, non-trading days and settlement details.

A Derivative is a financial Instrument and is a contract between two parties, the value of derivatives determined by fluctuations in the underlying asset.

In Derivatives, we cover both futures contract and options 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 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 futures.

Types of futures contracts:

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

Commodity derivatives: Commodity Derivatives are products where commodities are contracted to buy or sale at an agreed price for delivery at a specified date. Commodities include energy products, agricultural products, soft commodities, and metals.

Equity Derivatives: Equity Derivatives are Products whose value is at least partly derived from one or more underlying equity asset class. Equity derivatives also include futures and options based on index products or dividends. Futures and Options are the most traded equity derivatives.

Foreign Exchange Derivatives: A Foreign Exchange Derivatives or currency futures contract is an agreement between two parties to deliver a set amount of currency at a fixed future date, called the expiry. In some cases, the contract is settled by cash payment based on an index price or other known commodity pricing mechanism.

Interest Rate Derivatives: Interest rate derivatives are futures and options whose underlying is an asset related to interest rates including short term interest rate index contracts, fixed income contracts, and interest rate swap contracts.

### Additional Datasets:

The EDI Derivatives Trading Hour dataset covers all important dates for trading, delivery, and settlement of contracts as well as important times for trading including pre-open, open, close and settlement times.

In addition, the dataset includes settlement details (cycle, method), Contract Month updates (last trade date, first trade date, notice date, settlement date, delivery date, position date) and non-trading day dates such as holiday dates, holiday name, early close with timings, trading halt.

We provide all the facilities mentioned above on an annual license basis.

Monitored daily, the service comprises over 123 Exchanges, historical data from 2020.

## Product Description

- Exchanges & Trading Venues - 42 countries, 60 fields, 123 exchanges & trading venues covered.

## Delivery

EDI provides this information over the web as well as in a tab delimited FTP file. We also support API and S3 delivery.

The information can be loaded into internal systems that allow trading and settlement engines to accurately complete transactions.

Files are available in:

- CSV
- XLS
- TXT format

## Field Coverage for All Exchanges

Fields	All Exchanges	Fields	All Exchanges
Contract ID	X	Category	x
DTH ID	X	Contract Type	x
Contract ActTime	X	Subcategory	x
Contract Act Flag	X	Contract Name	x
Trading Hours ActTime	X	Year	x
Trading Hours Act Flag	X	Start Date	x
Region	X	End Date	x
Country	X	Days of Week	x
Country 2 Code	X	Trading Phase	x
Country 3 Code	x	Activity Trading Phase	x
Country Numeric	x	Open Hours UTC	x
Currency Code	x	Open Hours Local	x
Currency Numeric	x	Close Hours UTC	x
Currency Name	x	Close Hours Local	x
MIC	x	Holiday Name	x
Operating MIC	x	Notes	x
OS Flag	x	Standard Time Zone	x
Exchange Name	x	Standard UTC Offset	x
Website	x	Trading Venue	x
Product Type	x		

## Other Fields coverage for Exchanges

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
ASX - Trade24	x	x	x					x	x	x		x	x	x	x	x	x	x	x	x	x
Euronext Athens S.A. Derivatives Market	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
B3 S.A.	x							x	x	x	x	x	x	x	x				x		x
BSE Ltd	x							x	x	x	x	x	x	x	x				x		x
Budapest Stock Exchange	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x
CBOE Futures Exchange	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
Chicago Board of Trade	x	x	x					x	x	x	x	x	x	x	x	x	x	x		x	x
Chicago Mercantile Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x			x
China Financial Futures Exchange	x							x	x	x	x	x	x	x	x				x		x
Commodities Exchange Center	x	x	x					x	x	x	x	x	x	x	x	x	x	x		x	x
Dalian Commodity Exchange	x							x	x	x	x	x	x	x	x				x		x
Dubai Gold & Commodities Exchange Dmcc	x							x	x	x		x	x	x	x				x		x
Dubai Mercantile Exchange	x							x	x	x		x	x	x	x				x		x
Eurex Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
Euronext - Euronext Brussels - Derivatives	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x		x
Euronext - Mercado De Futuros E Opcoes	x	x	x				x	x	x	x		x		x	x	x	x	x	x		x
Euronext Com, Commodities Futures and Options	x	x	x				x	x	x	x		x		x	x	x	x	x	x		x
Euronext EQF, Equities, and Indices Derivatives	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x		x	x
Euronext Paris Matif	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x			x
Euronext Paris Monep	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x		x	x
European Energy Exchange - Regulated Gas Market	x	x	x				x	x	x	x		x	x	x	x	x	x	x	x		x
Hanoi Stock Exchange - Derivatives	x						x	x	x	x	x	x		x	x				x		x
Hong Kong Futures Exchange Ltd.	x						x	x	x	x	x	x	x	x	x				x	x	x
Hungarian Derivative Energy Exchange	x	x	x				x	x	x	x	x	x		x	x	x	x	x	x		x
ICE Endex Futures	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ICE Futures Europe	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x		x
ICE Futures Europe - AGRICULTURAL PRODUCTS DIVISION	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x		x
ICE Futures Europe - FINANCIAL PRODUCTS DIVISION	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
ICE Futures Singapore	x							x	x	x	x	x		x	x				x		x

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
ICE Futures U.S.	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
ICE Futures U.S. Energy Division	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Indonesia Commodity and Derivatives Exchange	x							x	x	x		x		x	x						x
Intercontinental Exchange	x	x	x					x	x	x	x	x		x	x	x	x	x	x		x
Iran Mercantile Exchange	x	x	x										x	x	x	x	x	x			x
Italian Derivatives Market	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x		x
Jakarta Futures Exchange (Bursa Berjangka Jakarta)	x							x	x	x		x		x	x				x		x
JSE Commodity Derivatives Market	x							x	x	x	x	x	x	x	x				x		x
JSE Currency Derivatives Market	x							x	x	x	x	x	x	x	x				x		x
JSE Equity Derivatives Market	x							x	x	x	x	x	x	x	x				x		x
JSE Interest Rate Derivatives Market	x							x	x	x	x	x	x	x	x				x		x
Korea Exchange (Futures Market)	x							x	x	x		x	x	x	x				x	x	x
LMAX - Derivatives	x	x	x								x	x			x	x	x	x			x
London Metal Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Malaysian Exchange	x							x	x	x		x	x	x	x				x		x

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
MEFF Financial Derivatives	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Mercado Abierto Electronico S.A												x		x	x				x		
Mercado Mexicano de Derivados	x	x	x					x	x	x		x	x		x	x	x	x	x		x
Minneapolis Grain Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Montreal Exchange	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x
Nasdaq Dubai	x							x	x	x	x	x		x	x				x	x	x
Nasdaq Stockholm AB - Danish EQ Derivatives	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Nasdaq Stockholm AB - Norwegian EQ Derivatives	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Nasdaq Stockholm AB - Swedish EQ Derivatives	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x	x	x
National Stock Exchange of India	x							x	x	x	x	x	x	x	x				x		x
New York Mercantile Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
ASX - New Zealand Futures & Options	x	x	x					x	x	x	x	x	x	x	x	x	x	x			x
Nodal Exchange	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
Osaka Dojima Commodity Exchange	x							x	x	x	x	x		x	x						x
Osaka Exchange	x							x	x	x	x	x	x	x	x				x	x	x

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
Oslo Bors - Derivatives Market	x	x	x					x	x	x	x	x	x	x	x	x	x	x			x
Pakistan Mercantile Exchange	x							x	x	x		x		x	x				x		x
Matba Rofex S.A.	x							x	x	x		x	x	x	x				x		x
Shanghai Futures Exchange	x							x	x	x	x	x	x	x	x				x		x
Shanghai International Energy Exchange	x							x	x	x		x	x	x	x				x		x
Singapore Exchange Derivatives Clearing Limited	x							x	x	x	x	x	x	x	x				x	x	x
Singapore Commodity Exchange	x							x	x	x	x	x	x	x	x				x	x	x
OMIP - Polo Portugues, S.G.M.R., S.A. / OMIP Derivatives Market	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
National Commodity & Derivatives Exchange Ltd	x							x	x	x	x	x	x	x	x				x		x
Taiwan Futures Exchange	x							x	x	x		x	x	x	x				x		x
Thailand Futures Exchange	x							x	x	x	x	x	x	x	x						x
Tokyo Commodity Exchange	x							x	x	x	x	x		x	x				x		x
Tokyo Financial Exchange	x							x	x	x		x	x	x	x				x		x
Turkish Derivatives Exchange	x							x	x	x	x	x	x	x	x				x		x
Warsaw Stock Exchange/Financial Derivatives	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
Zhengzhou Commodity Exchange	x							x	x	x		x	x	x	x				x		x
Saudi Stock Exchange	x							x	x	x	x	x		x	x				x		x
ICE Futures Europe - EQUITY PRODUCTS DIVISION	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Nairobi Securities Exchange	x							x	x	x	x	x		x	x				x		x
Power Exchange Central Europe	x	x	x					x	x	x		x		x	x	x	x	x	x		x
Metropolitan Stock Exchange of India Limited	x							x	x	x	x	x	x	x	x				x		x
Tel-Aviv Stock Exchange	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
Colombian Stock Exchange	x							x	x	x	x	x	x	x	x				x		x
Norexco ASA	x	x	x					x	x	x	x	x		x	x	x	x	x			x
Nasdaq Oslo ASA	x	x	x					x	x	x		x	x	x	x	x	x	x			x
Asia Pacific Exchange	x							x	x	x		x		x	x						x
NYSE Amex Options	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
NYSE Arca Options	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Miax Emerald, Llc	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Cboe Digital Exchange	x	x	x					x	x	x	x	x		x	x	x	x	x	x		x
ISE Gemini Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
ISE Mercury, LLC	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
MIAX PEARL, LLC	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
BOX Options Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
NASDAQ ISE (International Securities Exchange LLC)	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Miami International Securities Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Nasdaq Nordic Helsinki	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Dubai Financial Market	x							x	x	x	x	x		x	x				x		x
ICE Futures Abu Dhabi	x							x	x	x	x			x	x				x		x
India International Exchange (IFSC) Limited	x							x	x	x	x	x	x	x	x				x		x
Multi Commodity Exchange of India Ltd.	x							x	x	x	x	x	x	x	x				x		x
European Energy Exchange - Non-MTF Market	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
European Energy Exchange - Regulated Market	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
European Energy Exchange - OTF Gas Market	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
NASDAQ OMX BX Options	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
NASDAQ Options Market	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x

Exchanges	Contract Exchange Code	Open Hours DST	Close Hours DST	Random Start Open Hours Local	Random End Open Hours Local	Random Start Close Hours Local	Random End Close Hours Local	Contract Month	Contract Month Code	Contract Month Event	Settlement Cycle	Settlement Method	Exercise Style	Clearing Venues	Trading Currency Price Currency	Daylight Saving Time	Daylight Saving Time Starts	Daylight Saving Time Ends	Underlying description	Comments	Clearing Code
NASDAQ OMX PHLX	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
NSE IFSC Limited	x							x	x	x		x	x	x	x				x		x
ICE Markets Equity	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
CBOE BZX Options Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
CBOE C2 Options Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
CBOE EDGX Options Exchange	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
ASX - All Markets	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
CBOE Global Markets Inc.	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
Nasdaq Commodities - EUR Power/Energy	x	x	x					x	x	x		x	x	x	x	x	x	x			x
Nasdaq Commodities - GBP Power/Energy	x	x	x					x	x	x		x	x	x	x	x	x	x			x
Nasdaq Commodities - NOK Power/Energy	x	x	x					x	x	x		x	x	x	x	x	x	x			x
Small Exchange, Inc - Designated Contract Market	x	x	x					x	x	x		x		x	x	x	x	x			x
FEX Global	x	x	x					x	x	x		x	x	x	x	x	x	x	x		x
MEFF Power Derivatives	x	x	x					x	x	x		x		x	x	x	x	x	x		x
CBOE Europe Derivatives	x	x	x					x	x	x	x	x	x	x	x	x	x	x	x		x
Coinbase Derivatives Exchange	x	x	x					x	x	x		x		x	x	x	x	x	x		x

# Futures and Options Contract Specification Database

A futures and options contract specification (FOCS) represents a contract specification at a specific trading exchange. The FOCS controls the conditions and quotations for trading a commodity or financial instrument at that exchange. Contract specifications comprise, for example, contract sizes, contract maturity, quotations, hedged items, and settlement rules.

EDI provides coverage for only futures and options contract specification (as defined by each market).

EDI provides a daily file published by the market, as well as a daily notification of upcoming changes as published by the exchange. The notification file contains the MIC, the effective date, and the text of the notification. Any required changes will be applied to the specifications on the effective date ensuring you always have access to up-to-date specifications.

The service comprises over 123 exchanges and is monitored on a daily basis.

## Product Description

- FOCS Basic Exchanges Coverage - 42 countries, 69 fields, 123 exchanges.
- FOCS Instrument Exchanges Coverage - 42 countries, 30 fields, 122 exchanges.

## Delivery

EDI provides this information over the web as well as in a tab-delimited FTP file.

The information can be loaded into internal systems that allow trading and settlement engines to accurately complete transactions.

Files are available in:

- CSV
- TXT

## FOCS Basic - Fields Coverage for All Exchanges

Fields	Exchanges	Fields	All Exchange	Fields	All Exchange
Actflag	x	Category	x	Underlying Contract Name	x
Acttime	x	Subcategory	x	Contract Type	x
Ref ID	x	EDI Category	x	Trading Currency Price Currency	x
Contract ID	x	EDI Subcategory	x	Contract Multiplier	x
Exchange	x	Contract Description	x	Contract Unit	x
Region	x	Trading Venue	x	Contract Size Unit of Quotation	x
Country Code	x	Country	x	Minimum Price Fluctuation Tick Size	x
MIC	x	Country Numeric	x	Tick Value	x
Operating_MIC	x	Country 3 Code	x	Settlement Method	x
Regulator	x	Currency Code	x	Contract Status	x
Contract Short Name	x	Currency Numeric	x	OS Flag	x
Contract Name	x	Currency	x	Website	x

## Other Fields coverage for Exchanges

Exchanges	Clearing Venues	Underlying Exchange Name	CFTC Category	CFTC Subcategory	CFTC Status	CFI Code	CFI Instrument Category	CFI Group	CFI Attribute	URL to Exchange Rulebook	Clearing Code	Contract Exchange Code	Block Code	Contract ISIN	Underlying ISIN	Underlying Symbol	Exercise Style	Contract Size	Variable Contract Size	Maximum Quantity Size	Tick Size Description	Tick Size Lower Limit	Tick Size Upper Limit	Tick Value Lower Limit	Tick Value Upper Limit	Block Minimum	Strike Price Interval	Strike Price Description	Strike Currency	Strike Price Interval: Lower Limit	Strike Price Interval: Upper Limit	Block Minimum Special Rules	Notes	
Asia Pacific Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	-	x	-	x	-	-	-	-	-	x	-	-	-	-	-	-	x	
ASX - Trade24	x	x	-	-	-	-	-	-	-	x	x	x	-	-	-	x	x	x	-	-	x	-	-	-	-	x	x	x	x	-	-	x	-	
Euronext Athens S.A. Derivatives Market	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	x	x	x	x	-	-	-	-	
B3 S.A.	x	x	x	x	x	-	-	-	-	x	x	x	-	x	x	x	x	x	x	-	x	x	x	x	x	-	x	x	x	x	x	-	-	
BOX Options Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-	
BSE Ltd	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	x	x	-	-	-	-	-	x	x	x	-	-	-	-	
Budapest Stock Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	-	-	-	-	
CBOE Futures Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	x	x	x	x	x	x	-	-	
Chicago Board of Trade	x	x	x	x	x	-	-	-	-	x	x	x	x	-	x	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x	x	-	-	
Chicago Mercantile Exchange	x	x	x	x	x	-	-	-	-	x	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-	-
China Financial Futures Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	-	-	-	-	-	x	x	x	x	x	-	-	
Colombian Stock Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	-	-	-	-	-	x	x	x	-	-	-	-	
Commodities Exchange Center	x	-	x	x	x	-	-	-	-	x	x	x	x	-	-	x	x	x	-	x	x	-	-	-	-	x	x	x	x	x	x	x	-	

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Dalian Commodity Exchange	x	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	-	x	x	-	-	-	-	-	x	x	x	x	x	-	-	
Dubai Gold & Commodities Exchange Dmcc	x	x	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	x	-	-	-	-	-	-	x	x	x	x	-	-	-	-
Dubai Mercantile Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	x	-	-	-	-
CBOE Digital Exchange	x	-	x	x	x	-	-	-	-	x	x	x	-	-	-	-	-	x	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	-
Eurex Exchange	x	x	x	x	x	x	x	x	x	x	x	x	-	x	x	x	x	x	-	-	x	-	-	-	-	-	x	x	x	x	x	x	-	-
Euronext - Euronext Brussels - Derivatives	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x	x	-	-
Euronext - Mercado De Futuros E Opcoes	x	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x	-	x	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	-
Euronext Com, Commodities Futures and Options	x	-	-	-	-	-	-	-	-	x	x	x	x	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euronext EQF, Equities, and Indices Derivatives	x	x	x	x	x	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x	x	-	-
Euronext Paris Matif	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	x	-	-	-	-
Euronext Paris Monep	x	x	x	x	x	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	-	-	-	-	-	x	x	-	x	x	x	-	-
Hanoi Stock Exchange - Derivatives	x	x	-	-	-	-	-	-	-	x	x	x	-	-	-	x	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-
Hong Kong Futures Exchange Ltd.	x	x	x	x	x	-	-	-	-	x	x	x	-	x	x	x	x	x	-	x	x	-	-	-	-	-	x	x	x	x	x	-	-	-
Hungarian Derivative Energy Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	-	x	x	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-

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ICE Endex Futures	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	x	x	x	x	-	-	-	-	
ICE Futures Abu Dhabi	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	-	
ICE Futures Europe	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	x	x	x	-	-	-	-	x	x	x	x	x	x	-	-	
ICE Futures Europe - AGRICULTURAL PRODUCTS DIVISION	x	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	x	-	-	-	-
ICE Futures Europe - EQUITY PRODUCTS DIVISION	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	-	-	-	-	x	x	x	x	x	x	-	-	
ICE Futures Europe - FINANCIAL PRODUCTS DIVISION	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
ICE Futures Singapore	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	-	x	x	x	-	-	-	-	x	-	-	-	-	-	-	-	
ICE Futures U.S.	x	x	x	x	x	-	-	-	-	x	x	x	-	-	-	x	x	x	-	x	x	-	-	-	-	x	x	x	x	x	x	-	-	
ICE Futures U. S. Energy Division	x	-	x	x	x	-	-	-	-	x	x	x	-	-	-	-	x	x	-	x	x	-	-	-	-	x	x	x	x	-	-	-	-	
Indonesia Commodity and Derivatives Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-	
Intercontinental Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	x	
Iran Mercantile Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-	
ISE Gemini Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	x	-	-	
ISE Mercury, LLC	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	x	-	-	

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Italian Derivatives Market	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	x	-	x	x	x	x	x	-	x	x	x	x	x	-	-
Jakarta Futures Exchange (Bursa Berjangka Jakarta)	x	-	-	-	-	-	-	-	-	-	x	x	-	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-
JSE Commodity Derivatives Market	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	-	-	-	-
JSE Currency Derivatives Market	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	-	-	-	-
JSE Equity Derivatives Market	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	-	-	-	-	-	x	x	x	-	-	-	-
JSE Interest Rate Derivatives Market	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	x	x	x	-	-	-	-
Korea Exchange (Futures Market)	x	x	x	x	x	-	-	-	-	x	x	x	-	-	x	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x	x	-	-
LMAX - Derivatives	-	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-
London Metal Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	x	x	-	-
Malaysian Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	-	-	x	-	-	-	-	-	-	x	x	x	x	x	-	-
Matba Rofex S.A.	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	-	-	x	-	-	-	-	-	-	x	x	x	-	-	-	-
MEFF Financial Derivatives	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	-	x	x	-	-	-	-	-	x	x	x	x	x	x	-	-
Mercado Abierto Electronico S.A	x	-	-	-	-	-	-	-	-	x			-	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercado Mexicano de Derivados	x	x	x	x	x	-	-	-	-	x	x	x	-	x	x	x	x	-	-	x	-	-	-	-	-	-	x	x	x	x	x	-	-

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Metropolitan Stock Exchange of India Limited	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	-	-	-	-	-	x	x	x	x	x	-	-	
Miami International Securities Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-	
Miax Emerald, LLC	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-	
MIAX PEARL, LLC	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-	
Minneapolis Grain Exchange	x	-	x	x	x	-	-	-	-	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	x	x	-	-	
Montreal Exchange	x	x	x	x	x	x	x	x	x	x	x	x	-	x	x	x	x	x	-	x	x	x	x	x	x	x	x	x	x	x	-	-	x	-
Multi Commodity Exchange of India Ltd.	x	x	-	-	-	-	-	-	-	x	x	x	-				x	x	-	x	x	-	-	-	-	-	x	x	x	-	-	-	-	
Nairobi Securities Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	-	x	x	-	x	x	x	-	-	-	-	-	-	-	-	-	-	
Nasdaq Dubai	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	
NASDAQ ISE (International Securities Exchange LLC)	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-	
Nasdaq Nordic Helsinki	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	-	x	-	-	x	x	x	x	x	x	-	-	-	-	-	-	-	
Nasdaq Oslo ASA	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	-	-	-	-	
Nasdaq Stockholm AB - Danish EQ Derivatives	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	x	x	x	x	x	x	-	-	
Nasdaq Stockholm AB - Norwegian EQ Derivatives	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	x	x	x	x	x	x	-	-	

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Nasdaq Stockholm AB - Swedish EQ Derivatives	X	X	-	-	-	-	-	-	-	X	X	X	-	X	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-		
National Commodity & Derivatives Exchange Ltd	X	X	-	-	-	-	-	-	-	X	X	X	-	-	-	-	X	X	-	X	X	-	-	-	-	-	X	X	X	X	-	-	-	-	
National Stock Exchange of India	X	X	-	-	-	-	-	-	-	X	X	X	-	X	X	X	X	X	-	X	X	-	-	-	-	-	X	X	X	X	X	X	-	-	
New York Mercantile Exchange	X	-	X	X	X	-	-	-	-	X	X	X	X	-	-	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	X	
ASX - New Zealand Futures & Options	X	X	-	-	-	-	-	-	-	X	X	X	-	X	X	X	X	X	-	-	X	-	-	-	-	X	X	X	X	X	X	X	-	-	
Nodal Exchange	X	-	X	X	X	-	-	-	-	X	X	X	-	-	-	-	X	X	-	-	X	-	-	-	-	X	X	X	X	X	X	-	-	-	-
Norexeco ASA	X	-	-	-	-	-	-	-	-	X	X	X	-	-	-	-	-	X	-	-	X	-	-	-	-	X	-	-	-	-	-	-	-	-	
NYSE Amex Options	X	X	-	-	-	-	-	-	-	X	X	X	-	X	X	X	X	X	-	-	X	X	X	X	X	-	X	X	X	X	X	X	-	-	
NYSE Arca Options	X	X	-	-	-	-	-	-	-	X	X	X	-	X	X	X	X	X	-	-	X	X	X	X	X	-	X	X	X	X	X	X	-	-	
OMIP - Polo Portugues, S.G.M.R., S.A. / OMIP Derivatives Market	X	-	-	-	-	X	X	X	X	X	X	X	-	-	-	-	X	X	-	-	X	-	-	-	-	-	X	X	X	X	-	-	-	-	
Osaka Dojima Commodity Exchange	X	-	-	-	-	-	-	-	-	-	X	X	-	-	-	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	
Osaka Exchange	X	X	X	X	X	-	-	-	-	X	X	X	-	X	X	X	X	X	-	-	X	X	X	X	X	-	X	X	X	X	X	X	-	-	
Oslo Bors - Derivatives Market	X	X	-	-	-	X	X	X	X	X	X	X	-	X	X	X	X	X	-	-	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-
Pakistan Mercantile Exchange	X	-	-	-	-	-	-	-	-	X			-				-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Power Exchange Central Europe	x	-	-	-	-	-	-	-	-	x	x	x	-	x	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Stock Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-
Shanghai Futures Exchange	x	-	-	-	-	-	-	-	-	x	x	x	x	-	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	x	x	x	-	-
Shanghai International Energy Exchange	x	-	-	-	-	-	-	-	-	x	x	x	x	-	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore Exchange Derivatives Clearing Limited	x	x	x	x	x	-	-	-	-	x	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	x	x	x	x	x	-	-	-	-
Taiwan Futures Exchange	x	x	x	x	x	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	x	x	x	x	x	x	-	-	-
Tel-Aviv Stock Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	x	-	-
Thailand Futures Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	x	x	-	-	-	-	x	x	x	x	-	-	-	-	-
Tokyo Commodity Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	-	x	x	-	x	-	-	-	-	x	-	-	-	-	-	-	-	-
Tokyo Financial Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	-	x	x	x	x	-	-	x	-	-	-	-	x	x	x	x	-	-	-	-	-
Turkish Derivatives Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	x	x	x	x	x	x	-	-
Warsaw Stock Exchange/Financial Derivatives	x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x	x	-	-
Zhengzhou Commodity Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	-	x	x	-	-	-	-	-	x	x	x	x	x	-	-	-
European Energy Exchange - Regulated Market	x	-	-	-	-	-	-	-	-	x	x	x	-	x	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	-	-	-	-	-

Exchanges	Clearing Venues	Underlying Exchange Name	CFTC Category	CFTC Subcategory	CFTC Status	CFI Code	CFI Instrument Category	CFI Group	CFI Attribute	URL to Exchange Rulebook	Clearing Code	Contract Exchange Code	Block Code	Contract ISIN	Underlying ISIN	Underlying Symbol	Exercise Style	Contract Size	Variable Contract Size	Maximum Quantity Size	Tick Size Description	Tick Size Lower Limit	Tick Size Upper Limit	Tick Value Lower Limit	Tick Value Upper Limit	Block Minimum	Strike Price Interval	Strike Price Description	Strike Currency	Strike Price Interval: Lower Limit	Strike Price Interval: Upper Limit	Block Minimum Special Rules	Notes
Singapore Commodity Exchange	x	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	x	x	x	x	-	-	-	-
European Energy Exchange - Non-MTF Market	x	-	-	-	-	-	-	-	-	x	x	x	-	x	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-
European Energy Exchange - OTF Gas Market	x	-	-	-	-	-	-	-	-	x	x	x	-	x	-	-	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-
European Energy Exchange - Regulated Gas Market	x	-	-	-	-	-	-	-	-	x	x	x	-	x	-	-	x	x	-	-	x	-	-	-	-	-	x	x	x	-	-	-	-
India International Exchange (IFSC) Limited	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	x	x	x	-	-	-	-
NASDAQ OMX BX Options	x	x	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-
Dubai Financial Market	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	-	x	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-
NASDAQ Options Market	x	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-
NASDAQ OMX PHLX	x	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	-
ASX - All Markets	x	x	-	-	-	x	x	x	x	x	x	x	-	x	x	x	x	x	x	-	x	x	x	x	x	-	x	x	x	-	-	-	-
CBOE BZX Options Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	x
CBOE C2 Options Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	x
CBOE EDGX Options Exchange	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	x
CBOE Global Markets Inc.	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	-	-	x	x	x	x	x	-	x	x	x	x	x	-	x

Exchanges	Clearing Venues	Underlying Exchange Name	CFTC Category	CFTC Subcategory	CFTC Status	CFI Code	CFI Instrument Category	CFI Group	CFI Attribute	URL to Exchange Rulebook	Clearing Code	Contract Exchange Code	Block Code	Contract ISIN	Underlying ISIN	Underlying Symbol	Exercise Style	Contract Size	Variable Contract Size	Maximum Quantity Size	Tick Size Description	Tick Size Lower Limit	Tick Size Upper Limit	Tick Value Lower Limit	Tick Value Upper Limit	Block Minimum	Strike Price Interval	Strike Price Description	Strike Currency	Strike Price Interval: Lower Limit	Strike Price Interval: Upper Limit	Block Minimum Special Rules	Notes
ICE Markets Equity	x	x	-	-	-	-	-	-	-	-	x	x	x	x	x	x	x	x	-	-	x	-	-	-	-	x	x	x	x	x	x	x	-
NSE IFSC Limited	x	x	-	-	-	-	-	-	-	x	x	x	-	x	x	x	x	x	x	-	x	-	-	-	-	-	x	x	x	-	-	-	-
Nasdaq Commodities - EUR Power/Energy	x	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	x	x	x	-	-	-	x
Nasdaq Commodities - GBP Power/Energy	x	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	-	-	-	-	-	-	-
Nasdaq Commodities - NOK Power/Energy	x	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	x	x	x	-	-	-	-
Small Exchange, Inc - Designated Contract Market	x	-	x	x	x	x	x	x	x	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	-	-	-	-	-	-	-
FEX Global	x	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	x	x	x	-	-	-	-
MEFF Power Derivatives	x	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	-	-	-	-	-	-	-
CBOE Europe Derivatives	x	x	-	-	-	x	x	x	x	x	x	x	-	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	-
Coinbase Derivatives Exchange	x	-	x	x	x	x	x	x	x	x	x	x	-	-	-	-	x	x	x	-	x	-	-	-	-	-	-	-	-	-	-	-	-

## FOCS Instrument - Fields Coverage for All Exchanges

\*Identifiers and strike prices are only available for option contracts; they are not applicable for the futures contract.

\*\*Some of the exchanges have not provided the ISIN (instrument ISIN).

Fields	Fields
Instrument ID	Category
Instrument Actflag	Subcategory
Instrument Acttime	Exercise Style
Ref ID	Settlement Method
Contract ID	Strike Currency*
Contract Name	Contract Size
Exchange	Contract Unit
Region	Instrument Name
Country	Contract Month Code
Country Code	Identifier*
MIC	Strike Price*
Operating MIC	Contract Month
Contract Exchange Code	Expiration Date
Clearing Code	ISIN**
Contract Type	Comments

## FOCS Exchanges Coverages

### Africa

Country	Exchanges & Trading Venues	MIC
Kenya	Nairobi Securities Exchange	XNAI
South Africa	JSE Commodity Derivatives Market	XSFA
South Africa	JSE Currency Derivatives Market	ZFXM
South Africa	JSE Equity Derivatives Market	XSAF
South Africa	JSE Interest Rate Derivatives Market	YLDX

### Asia

Country	Exchanges & Trading Venues	MIC
China	China Financial Futures Exchange	CCFX
China	Dalian Commodity Exchange	XDCE
China	Shanghai Futures Exchange	XSFE
China	Shanghai International Energy Exchange	XINE
China	Zhengzhou Commodity Exchange	XZCE
Hong Kong	Hong Kong Futures Exchange Ltd.	XHKF
India	BSE Ltd	XBOM
India	India International Exchange (IFSC) Limited	IINX
India	Metropolitan Stock Exchange of India Limited	MCXX
India	Multi Commodity Exchange of India Ltd.	XIMC
India	National Commodity & Derivatives Exchange Ltd	XNCD
India	National Stock Exchange of India	XNSE
India	NSE IFSC Limited	INSE
Indonesia	Indonesia Commodity and Derivatives Exchange	ICDX
Indonesia	Jakarta Futures Exchange (Bursa Berjangka Jakarta)	XBBJ
Japan	Osaka Dojima Commodity Exchange	XKAC
Japan	Osaka Exchange	XOSE
Japan	Tokyo Commodity Exchange	XTKT
Japan	Tokyo Financial Exchange	XTFF
Korea (South)	Korea Exchange (Futures Market)	XKFE
Malaysia	Malaysian Exchange	XKLS
Pakistan	Pakistan Mercantile Exchange	NCEL
Singapore	Asia Pacific Exchange	APEX
Singapore	ICE Futures Singapore	IFSG
Singapore	Singapore Commodity Exchange	XSCE
Singapore	Singapore Exchange Derivatives Clearing Limited	XSIM
Taiwan	Taiwan Futures Exchange	XTAF
Thailand	Thailand Futures Exchange	TFEX
Vietnam	Hanoi Stock Exchange - Derivatives	XHNF

## Europe

Country	Exchanges & Trading Venues	MIC
Belgium	Euronext - Euronext Brussels - Derivatives	XBRD
Czech Republic	Power Exchange Central Europe	XPXE
Finland	Nasdaq Nordic Helsinki	XHEL
France	Euronext Paris Matif	XMAT
France	Euronext Paris Monep	XMON
Germany	Eurex Exchange	XEUR
Germany	European Energy Exchange - Non-MTF Market	XEE0
Germany	European Energy Exchange - OTF Gas Market	XPOT
Germany	European Energy Exchange - Regulated Gas Market	XPST
Germany	European Energy Exchange - Regulated Market	XEER
Greece	Euronext Athens S.A. Derivatives Market	XADE
Hungary	Budapest Stock Exchange	XBUD
Hungary	Hungarian Derivative Energy Exchange	HUDX
Italy	Italian Derivatives Market	XDMI
Netherlands	Euronext Com, Commodities Futures and Options	XEUC
Netherlands	Euronext EQF, Equities, and Indices Derivatives	XEUE
Netherlands	ICE Endex Futures	NDEX
Netherlands	CBOE Europe Derivatives	CEDX
Norway	Nasdaq Oslo ASA	NORX
Norway	Norexco ASA	NEXO
Norway	Nasdaq Commodities - EUR Power/Energy	ELEU
Norway	Nasdaq Commodities - GBP Power/Energy	ELUK
Norway	Nasdaq Commodities - NOK Power/Energy	ELNO
Norway	Oslo Bors - Derivatives Market	XOBD
Poland	Warsaw Stock Exchange/Financial Derivatives	WDER
Portugal	Euronext - Mercado De Futuros E Opcoes	MFOX
Portugal	OMIP - Polo Portugues, S.G.M.R., S.A. / OMIP Derivatives Market	OMIP
Spain	MEFF Financial Derivatives	XMRV
Spain	MEFF Power Derivatives	XMPW
Sweden	Nasdaq Stockholm AB - Danish EQ Derivatives	DKED
Sweden	Nasdaq Stockholm AB - Norwegian EQ Derivatives	NOED
Sweden	Nasdaq Stockholm AB - Swedish EQ Derivatives	SEED
Turkey	Turkish Derivatives Exchange	XFNO
United Kingdom	ICE Futures Europe	IFEU
United Kingdom	ICE Futures Europe - Agricultural Products Division	IFLX
United Kingdom	ICE Futures Europe - EQUITY PRODUCTS DIVISION	IFLO
United Kingdom	ICE Futures Europe - Financial Products Division	IFLL
United Kingdom	LMAX - Derivatives	LMAD
United Kingdom	London Metal Exchange	XLME
Netherlands	ICE Markets Equity	IMEQ

## Latin America &amp; Caribbean

Country	Exchanges & Trading Venues	MIC
Argentina	Matba Rofex S.A.	ROFX
Argentina	Mercado Abierto Electronico S.A	XMAB
Brazil	B3 S.A.	BVMF
Colombia	Colombian Stock Exchange	XBOG

## Middle East

Country	Exchanges & Trading Venues	MIC
Iran	Iran Mercantile Exchange	IMEX
Israel	Tel-Aviv Stock Exchange	XTAE
Saudi Arabia	Saudi Stock Exchange	XSAU
United Arab Emirates	Dubai Financial Market	XDFM
United Arab Emirates	Dubai Gold & Commodities Exchange Dmcc	DGCX
United Arab Emirates	Dubai Mercantile Exchange	DUMX
United Arab Emirates	ICE Futures Abu Dhabi	IFAD
United Arab Emirates	Nasdaq Dubai	DIFX
United Arab Emirates	Abu Dhabi Securities Exchange	XADS

## North America

Country	Exchanges & Trading Venues	MIC
Canada	Montreal Exchange	XMOD
United States	BOX Options Exchange	XBOX
United States	CBOE Futures Exchange	XCBF
United States	Chicago Board of Trade	XCBT
United States	Chicago Mercantile Exchange	XCME
United States	Commodities Exchange Center	XCEC
United States	Cboe Digital Exchange	ERIS
United States	ICE Futures U.S.	IFUS
United States	ICE Futures U.S. Energy Division	IFED
United States	Intercontinental Exchange	IEPA
United States	ISE Gemini Exchange	GMNI
United States	ISE Mercury, LLC	MCRY
United States	Miami International Securities Exchange	XMIO
United States	MIAX Emerald, LLC	EMLD
United States	MIAX PEARL, LLC	MPRL
United States	Minneapolis Grain Exchange	XMGE
United States	NASDAQ ISE (International Securities Exchange LLC)	XISX
United States	NASDAQ OMX BX Options	XBXO
United States	NASDAQ OMX PHLX	XPHL
United States	NASDAQ Options Market	XNDQ
United States	New York Mercantile Exchange	XNYM
United States	Nodal Exchange	NODX
United States	NYSE Amex Options	AMXO
United States	NYSE Arca Options	ARCO
United States	CBOE C2 Options Exchange	C2OX
United States	CBOE BZX Options Exchange	BATO
United States	CBOE EDGX Options Exchange	EDGO
United States	CBOE Global Markets Inc.	XCBO
United States	Small Exchange, Inc - Designated Contract Market	SMFE
United States	Coinbase Derivatives Exchange	FREX
United States	NYSE Arca Options	ARCO

## Oceania

Country	Exchanges & Trading Venues	MIC
Australia	ASX - Trade24	XSFE
Australia	ASX - New Zealand Futures & Options	NZFX
Australia	ASX - All Markets	XASX
Australia	FEX Global	XFEX

## Regulatory Groupings

- CFTC\_Category
- CFTC\_Subcategory
- CFI\_Instrument Category
- CFI\_Group
- CFI\_Attribute
- Regulator
- URL to Exchange Rulebook

## Reference Data/Symbology

Symbology can be complicated for a futures contract, because when a full symbol set is acquired, it not only needs to be related to trading, settlement, block trading, or over-the-counter trading, it also requires it to relate to universal symbols and the security type needs to be differentiated.

The exercise style may also be important to the full symbol set as consumers would like to know if it is American or European.

## Symbology for Reference Data

- Contract Clearing Code
- Contract Exchange Code
- Contract Month Code
- Exercise Style
- Instrument Name
- Product ISIN
- Product Short Name
- Product Long Name
- Put or Call Identifier
- Security Type
- Underlying ISIN
- Underlying Product Name
- Underlying Ticker/Symbol

## Trading Information

The following trading information is covered, providing the ability to relate it to an underlying and enables users to understand the value of the contract:

Trading Currency/Price Quotation	Tick Size	Strike Price Interval
Contract Size/Multiplier	Tick Value	Strike Price
Contract Size Unit of Measurement	Variable Tick Size Rules	Strike Currency
Contract Size Unit of Quotation	Minimum Block Size	Contract Month
Expiration Date	Trading Hours	

## Settlement/Delivery Information

A comprehensive and machine-readable format offers detailed settlement and delivery information for each contract. This information is derived from the rulebook of each product and converted into machine-readable data that users can use to calculate the true value of the derivative.

- Deliverable Units
- Deliverables
- Delivery Point or Zone
- Final Settlement Data
- First Delivery Date
- First Notice Date
- First Trade Date
- Fixed Income Delivery Attributes\*
  - Conversion Factors
  - CUSIP/ISIN
  - Coupon
  - Maturity
- Grade and Quality
- Last Delivery Date
- Last Notice Date
- Last Trade Date
- Settlement Currency
- Settlement Method
- Settlement Procedure

Fixed Income Delivery attributes are only available for the exchange mentioned with asterisk symbol (\*).

## Exchange Coverage

Asia Pacific Exchange	JSE Equity Derivatives Market
ASX - All Markets	JSE Interest Rate Derivatives Market
ASX - New Zealand Futures & Options	Korea Exchange (Futures Market)
ASX - Trade24	London Metal Exchange
Euronext Athens S.A. Derivatives Market	Malaysian Exchange*
B3 S.A.	Matba Rofex S.A.
BOX Options Exchange	MEFF Financial Derivatives*
BSE Ltd	MEFF Power Derivatives
Budapest Stock Exchange	Mercado Abierto Electronico S.A
CBOE BZX Options Exchange	Mercado Mexicano de Derivados*
CBOE C2 Options Exchange	Metropolitan Stock Exchange of India Limited
Cboe Digital Exchange	Miami International Securities Exchange
CBOE EDGX Options Exchange	Miax Emerald, LLC
CBOE Europe Derivatives	MIAX PEARL, LLC
CBOE Futures Exchange	Minneapolis Grain Exchange
CBOE Global Markets Inc.	Montreal Exchange*
Chicago Board of Trade*	Multi Commodity Exchange of India Ltd.
Chicago Mercantile Exchange	Nairobi Securities Exchange
China Financial Futures Exchange*	Nasdaq Commodities - EUR Power/Energy
Coinbase Derivatives Exchange	Nasdaq Commodities - GBP Power/Energy
Colombian Stock Exchange	Nasdaq Commodities - NOK Power/Energy
Commodities Exchange Center	Nasdaq Dubai
Dalian Commodity Exchange	NASDAQ ISE (International Securities Exchange LLC)
Dubai Financial Market	Nasdaq Nordic Helsinki
Dubai Gold & Commodities Exchange Dmcc	NASDAQ OMX BX Options
Dubai Mercantile Exchange	NASDAQ OMX PHLX
Eurex Exchange*	NASDAQ Options Market
Euronext - Euronext Brussels - Derivatives	Nasdaq Oslo ASA
Euronext - Mercado De Futuros E Opcoes	Nasdaq Stockholm AB - Danish EQ Derivatives
Euronext Com, Commodities Futures and Options	Nasdaq Stockholm AB - Norwegian EQ Derivatives
Euronext EQF, Equities, and Indices Derivatives	Nasdaq Stockholm AB - Swedish EQ Derivatives
Euronext Paris Matif	National Commodity & Derivatives Exchange Ltd
Euronext Paris Monep	National Stock Exchange of India
European Energy Exchange - Non-MTF Market	New York Mercantile Exchange
European Energy Exchange - OTF Gas Market	Nodal Exchange
European Energy Exchange - Regulated Gas Market	Norexeco ASA
European Energy Exchange - Regulated Market	NSE IFSC Limited
FEX Global	NYSE Amex Options
Hanoi Stock Exchange – Derivatives*	NYSE Arca Options
Hong Kong Futures Exchange Ltd.	OMIP - Polo Portugues, S.G.M.R., S.A. / OMIP Derivatives Market
Hungarian Derivative Energy Exchange	Osaka Dojima Commodity Exchange
ICE Endex Futures	Osaka Exchange*
ICE Futures Abu Dhabi	Oslo Bors - Derivatives Market
ICE Futures Europe	Pakistan Mercantile Exchange

ICE Futures Europe - Agricultural Products Division	Power Exchange Central Europe
ICE Futures Europe - EQUITY PRODUCTS DIVISION	Saudi Stock Exchange
ICE Futures Europe - FINANCIAL PRODUCTS DIVISION*	Shanghai Futures Exchange
ICE Futures Singapore	Shanghai International Energy Exchange
ICE Futures U.S.	Singapore Commodity Exchange
ICE Futures U.S. Energy Division	Singapore Exchange Derivatives Clearing Limited*
ICE Markets Equity	Small Exchange, Inc - Designated Contract Market
India International Exchange (IFSC) Limited	Taiwan Futures Exchange
Indonesia Commodity and Derivatives Exchange	Tel-Aviv Stock Exchange
Intercontinental Exchange	Thailand Futures Exchange
Iran Mercantile Exchange	Tokyo Commodity Exchange
ISE Gemini Exchange	Tokyo Financial Exchange
ISE Mercury, LLC	Turkish Derivatives Exchange
Italian Derivatives Market	Warsaw Stock Exchange/Financial Derivatives
Jakarta Futures Exchange (Bursa Berjangka Jakarta)	Zhengzhou Commodity Exchange
JSE Commodity Derivatives Market	
JSE Currency Derivatives Market	



## 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 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**  
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.

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