EEX Group DataSource – XML Specification for Historic Trade Files

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Leipzig

Version 003

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1. Document History

Version	Description	Date	Author
001	Initial Version	2013/01/09	Daniel Köhler
002	Adjustments for new secure ftp server (datasource.eex-roup.com)	2020/03/16	Thomas Haupt
003	Adjustments of EEX Group Template	2020/03/23	Anika Reyes Napoles

2. List of Abbreviations

Abbreviation	Explanation
ASCII	The American Standard Code for Information Interchange is a character-encoding scheme based on the ordering of the English alphabet.
CER	Certified Emission Reductions
CEST	Central European Summer Time
CET	Central European Time
CR	The carriage return (CR) is one of the control characters in ASCII code, Unicode or EBCDIC that commands a printer or other sort of display to move the position of the cursor to the first position on the same line.
EBCDIC	The Extended Binary Coded Decimal Interchange Code (EBCDIC) is an 8-bit character encoding (code page) used on IBM mainframe operating systems.
EEX	European Energy Exchange
EUA	European Union Emission Allowance
FTP	The File transfer protocol (FTP) is a standard network protocol used to exchange and manipulate files over a TCP/IP based network.
IBM	The International Business Machines Corporation (IBM) is a multinational computer technology and IT consulting corporation.
ISO	The International Organization for Standardization (ISO) is an international- standard- setting body composed of representatives from various national standards organizations.
kWh	The watt-hour, or kilowatt-hour, (symbol kW·h, kWh) is a unit of energy equal to 3,600,000 joules. Energy in watt-hours is the multiplication of power in watts and time in hours.
LF	A line feed (LF) or newline, also known as a line break or end-of-line (EOL) character, is a special character or sequence of characters signifying the end of a line of text.
MT	Metric tonnes
MW	Mega Watt = 1.000.000 W (refer to W)
MWh	Mega Watt Hour = 1.000 kWh (refer to kWh)
p	pence
SFTP	The Secure File Transfer Protocol (also SSH File Transfer Protocol) is a network protocol that provides file access, file transfer, and file management functionalities over any reliable data stream. The EEX FTP (mis.eex.com) uses the Secure File Transfer Protocol.
ST	Short tonnes
th	Therms

TradeReg	Service provided by the exchange which enables the trading participants and the trade registration participants to conclude transactions through registration by mutual agreement or to have over-the-counter transactions registered. Products for which trade registration is offered are usually specified in the Contract Specifications of the exchange and in the Trade Registration Contract Specifications.
W	The watt (symbol: W) is a derived unit of power in the International System of Units (SI). It measures rate of energy conversion.
XML	The Extensible Markup Language (XML) is used for the digital storage of structured data.

3. Overview

To facilitate the energy markets and to support market participants EEX has traditionally been providing EEX Group DataSource Products. These services outline details about day-to-day market data as well as historical data.
In addition to the free data available on the EEX website, EEX provides its commercial DataSource Products in CSV, XLSX as well as historic Data in XML format on a FTP-server (SFTP datasource.eex-group.com, please note: the FTP uses the Secure File Transfer Protocol). These files are designed for easy processing and can be used by customers for individual market analysis and any other further analytics. This document will provide an overview about our historic trades. The below files are all considered historic and not updated anymore. The data provided in this historic xml format will stop at the 22.01.2019.

4. Definition of Data Fields

In the following chapter all needed definition will be provided. With the elements the lines will be constructed.

The following table will define all used fields.

Fieldname	Format	Description	Example
[AuctionName]	string	Name of the auction	EU
[AuctionPrice]	float	Price result of the auction	12,36
[AuctionTime]	datetime	Point in time the auction was held	2010-03-01T08:13:31+01:00
[AuctionVolume]	Int	Volume auctioned	735450
[AveragePrice]	float	Average hour price of a delivery day	34,15
[BestAskPrice]	float	Best Ask Price of the trading day	42,67
[BestAskVolume]	Int	Best Ask Volume of the trading day	234568
[BestAskContracts]	int	Best Ask Contracts of the trading day	23
[BestBidPrice]	float	Best Bid Price of the trading day	12,07
[BestBidVolume]	int	Best Bid Volume of the trading day	234568
[BestBidContracts]	int	Best Bid Contracts of the trading day	23
[Block]	string	Name of a specific block (You will find allowed values of the field at "5.4.Specific Range Definition of Data Fields")	EPEX Spot Blocks used in Block Bid File (Base, Peak)
[BlockName]	string	Definition of the Index (You will find allowed values of the field at "5.4.Specific Range Definition of Data Fields")	Offpeak II
[BlockPriceN]	float	Block price	27,98
[Commodity]	string	Commodity	Power
[Contract]	string	Code of a contract (You will find allowed values of the field at "5.4.Specific Range Definition of Data Fields")	F1BM
[ContractVolume]	int	Volume traded for the contract in the product's commodity unit	18,100

Fieldname	Format	Description	Example
[CreationTimestamp]	datetime	Date and time of creation of the file	2010-03-01T08:13:31.699+01:00
[Currency]	string	Currency Code used for prices	EUR
[CountryRevenue]	string	Revenue per country of the auction	AT:493580,BE:893780
[CoverRatio]	float	Cover ratio of the auction	3,46
[DailyReferencePrice]	float	Daily reference price	22,90
[DeliveryDate]	date	Day of delivery of the traded commodity	2010-03-01
[DeliveryEnd]	date	Delivery end date of a contract	2014-03-01
[DeliveryPeriod]	string	Delivery period of a future contract	2010.01
[DeliveryStart]	date	Delivery start date of a contract	2014-03-01
[FrontContract]	date	Front contract of the index	2014.10
[HighPrice]	float	Highest prices of the trading day	128,91
[Hour]	string	Specific Hour	04-05
[HourN]	int	Price for hour N	23,78
[HourVolume]	long	Volume of an hour of the day	234568
[HourVolumeN]	long	Volume of hour N of the day	234568
[Index]	string	Specific Index like PowerSpotAuctionIndex (Phelix/France/Swissix Day Base/Peak), ELIX, EGIX, ECarbix	
[IndexPrice]	float	Indexprice of the ECarbix	25,33
[LastPrice]	float	Price of the last trade on the trading day	45,95
[LimitPrice]	float	Limit price for the block bid.	22,27
[LowPrice]	float	Lowest price of the trading day	12,07
[MarketArea]	string	Name of the market area. (You will find allowed values of the field at “5.4.Specific Range Definition of Data Fields”)	CH
[Maturity]	string	Maturity of the contracts/products	Jun10
[MaximumBid]	float	Maximum bid of the auction	6,00
[MeanPrice]	float	Mean price of the auction	5,54
[MedianPrice]	float	Median price of the auction	5,54

Fieldname	Format	Description	Example
[MinimumBid]	float	Minimum bid of the auction	5,54
[NumberOfTrades]	int	Total number of trades.	25
[NumberOfHour]	Int	Number of hour the day, 1…24	2
[NumberSuccessfulBidders]	Int	Number of successful bidders of the auction	12
[OpenInterestContracts]	Int	Open Interest as number of contracts multiplied by contract volume	234568
[OpenInterestVolume]	Int	Open Interest as number of contracts	234568
[OpenPrice]	float	Price of the first trade	42,67
[Price]	float	Price for the Block	24,81
[Product]	string	Name of the product	Day
[SettlementPrice]	float	Settlement price for the contract	42,67
[Strike]	Int	Strike of the option	9000
[TotalAmountBids]	int	Total amount of bids of the auction	8174000
[TotalNumberBidders]	Int	Total number of bidders of the auction	16
[TradedContracts]	Int	Number of traded contracts	58
[TradeID]	string	Trade id of the trade	00FQHV
[TradePrice]	Float	Price of the trade	56,0
[TradeTimestamp]	dateTime	Date and time of the trade	2013-01-08T08:29:23.000+01:00
[TradeVersion]	string	Trade version of the trade	0
[TradedType]	string	Trade type	TRADEREG
[TradedVolume]	Int	Volume of the trade	4200
[TotalRevenue]	Int	Total revenue of the auction	11050700
[Type]	string	Type of the option (You will find allowed values of the field at “5.4.Specific Range Definition of Data Fields”)	C
[Underlying]	string	Underlying of the product	Jan11
[Unit]	string	Unit	EUR/MWh

Fieldname	Format	Description	Example
		(You will find allowed values of the field at “5.4.Specific Range Definition of Data Fields”)	
[Volume]	Int	Volume traded for the contract	537189

5. Power – Futures – Historic Trade Data

Criterion	Description
Content	Derivatives Market trading results for Phelix-DE/AT Power Futures, French Financial Futures, Italian Power Futures, Spanish Power Futures, Dutch Financial Futures, Belgian Financial Futures, Nordic Power Futures, Swiss Power Futures, Greek Power Futures, Cap Futures, UK Financial Power Futures, French Futures OTF, Phelix-DE/AT Power Futures OTF, Floor Intraday Power Futures, Phelix-DE Power Futures, Phelix-DE Power Futures OTF, Phelix-AT Power Futures, Phelix-AT Power Futures OTF, Czech Power Futures, Hungarian Power Futures, Polish Power Futures, Romanian Power Futures, Slovakian Power Futures, Slovakian Physical Power Futures Until the end of 2017 the file provided Non-MTF data instead of OTF.
Displayed Period	One trading day.
Contained Data	Contract's volumes in MWh or h and price information in Euro or in GBP.
Generation Frequency and Time	Every exchange trading day, after each trade with a delay of 15 to 20 minutes
Filename	YYYYMMDD_PowerFutureMarketTrades_[YYYYMMDDhhmmss].xml YYYYMMDD_WindPowerFutureMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20141007_PowerFutureMarketTrades-201008165010.xml 20160923_WindPowerFutureMarketTrades_20160923153922.xml
Download Location	SFTP: datasource.eex-group.com /trade_data/power/Archive/derivatives/xml
Schema	PowerFutureMarketTrades.xsd

Element Description	Type	Frequency
PowerFutureMarketTrades Root element of the XML file.	-	1
PowerFutureMarketTrades > Status Status information on the data contained in the file	-	1
PowerFutureMarketTrades > Status > Commodity Commodity, Power	xsd:string [Commodity]	1
PowerFutureMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1

Element Description	Type	Frequency
PowerFutureMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1
PowerFutureMarketTrades > Trades Trades results list	-	n
PowerFutureMarketTrades > Trades > Trade Results for a single trade	-	n
PowerFutureMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1
PowerFuturesMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1
PowerFutureMarketTrades > Trades > Trade > Unit Unit of traded contract	xsd:string [Unit]	1
PowerFutureMarketTrades > Trades > Trade > DeliveryPeriod Delivery period of traded contract	xsd:string [DeliveryPeriod]	1
PowerFutureMarketTrades > Trades > Trade > DeliveryStart delivery start date of a contract	xsd:dateTime [DeliveryStart]	1
PowerFutureMarketTrades > Trades > Trade > DeliveryEnd delivery end date of a contract	xsd:dateTime [DeliveryEnd]	1
PowerFutureMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
PowerFutureMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1
PowerFutureMarketTrades > Trades > Trade > ContractVolume Contract Volume	xsd:int [ContractVolume]	1
PowerFutureMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
PowerFutureMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:int [TradedVolume]	1
PowerFutureMarketTrades > Trades > Trade > TradedContracts Number of traded contracts	xsd:int [TradedContracts]	1

Element Description	Type	Frequency
PowerFutureMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1

6. Natural Gas

6.1 Natural Gas – Spot – Historic Trade Data

Criterion	Description
Content	Spot Market trades for NCG, GASPOOL, TTF and NBP Natural Gas, ZEE, ZTPL, TTF, TRS, PEGN and OTE
Displayed Period	One trading day.
Contained Data	Volumes in MWh and prices in Euro for NCG, GASPOOL and TTF Volumes in Therms and prices in Pence for NBP
Generation Frequency and Time	Every exchange trading day, after each trade with a delay of 15 to 20 minutes

Criterion	Description
Filename	YYYYMMDD_GasSpotMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20151119_GasSpotMarketTrades_20151120001849.xml
Download Location	SFTP: datasource.eex-group.com /trade_data/natgas/Archive/spot/xml
Schema	GasSpotMarketTrades.xsd

Element Description	Type	Frequency
GasSpotMarketTrades Root element of the XML file.	-	1
GasSpotMarketTrades > Status Status information on the data contained in the file	-	1
GasSpotMarketTrades > Status > Commodity Commodity, Power	xsd:string [Commodity]	1
GasSpotMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1
GasSpotMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1

Element Description	Type	Frequency
GasSpotMarketTrades > Trades Trades results list	-	n
GasSpotMarketTrades > Trades > Trade Results for a single trade	-	n
GasSpotMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1
GasSpotMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1
GasSpotMarketTrades > Trades > Trade > Unit Unit of traded contract	xsd:string [Unit]	1
GasSpotMarketTrades > Trades > Trade > MarketArea Market area of traded contract	xsd:string [MarketArea]	1
GasSpotMarketTrades > Trades > Trade > DeliveryStart delivery start date of a contract	xsd:datetime [DeliveryStart]	0-1
GasSpotMarketTrades > Trades > Trade > DeliveryEnd delivery end date of a contract	xsd:datetime [DeliveryEnd]	0-1
GasSpotMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
GasSpotMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1
GasSpotMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
GasSpotMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:ing [TradedVolume]	1
GasSpotMarketTrades > Trades > Trade > TradedContracts Number of traded contracts	xsd:int [TradedContracts]	1
GasSpotMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1

6.2 Natural Gas – Futures – Historic Trade Data

Criterion	Description

Content	Derivatives Market trades for Natural Gas Futures of NBP, NCG, GPL, ZEE, ZTP, TTF, TRS, PEGN, OTE, CEGH, PSV and GPN and according OTF products. Until the end of 2017 the file provided Non-MTF data instead of OTF.
Displayed Period	One trading day.
Contained Data	Contract's volumes in MWh and price information in Euro.
Generation Frequency and Time	Every exchange trading day, after each trade with a delay of 15 to 20 minutes
Filename	YYYYMMDD_GasFuturesMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20151123_GasFuturesMarketTrades_20151123111822.xml
Download Location	SFTP:datasource.eex-group.com /trade_data/natgas/Archive/derivatives/xml
Schema	GasFutureMarketTrades.xsd

Element Description	Type	Frequency
GasFutureMarketTrades Root element of the XML file.	-	1
GasFutureMarketTrades > Status Status information on the data contained in the file	-	1
GasFutureMarketTrades > Status > Commodity Commodity, Power	xsd:string [Commodity]	1
GasFutureMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1
GasFutureMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1
GasFutureMarketTrades > Trades Trades results list	-	n
GasFutureMarketTrades > Trades > Trade Results for a single trade	-	n
GasFutureMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1
GasFutureMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1

Element Description	Type	Frequency
GasFutureMarketTrades > Trades > Trade > Unit Unit of traded contract	xsd:string [Unit]	1
GasFutureMarketTrades > Trades > Trade > DeliveryPeriod Delivery period of traded contract	xsd:string [DeliveryPeriod]	1
GasFutureMarketTrades > Trades > Trade > DeliveryStart delivery start date of a contract	xsd:datetime [DeliveryStart]	1
GasFutureMarketTrades > Trades > Trade > DeliveryEnd delivery end date of a contract	xsd:datetime [DeliveryEnd]	1
GasFutureMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
GasFutureMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1
GasFutureMarketTrades > Trades > Trade > ContractVolume Contract Volume	xsd:int [ContractVolume]	1
GasFutureMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
GasFutureMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:int [TradedVolume]	1
GasFutureMarketTrades > Trades > Trade > TradedContracts Number of traded contracts	xsd:int [TradedContracts]	1
GasFutureMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1

7. Environmental Data

7.1 Emission Rights – Spot – Historic Trade Data

Criterion	Description
Content	Spot Market trades for European Emission Allowances
Displayed Period	One trading day.
Contained Data	Contract's volumes in t CO_2 and price information in Euros.
Generation Frequency and Time	Every exchange trading day, after each trade with a delay of 15 to 20 minutes.
Filename	YYYYMMDD_EmissionSpotMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20141007_EmissionSpotMarketTrades_20141008165020.xml
Download Location	SFTP:datasource.eex-group.com /trade_data/environmental /Archive/spot/xml
Schema	EmissionSpotMarketTrades.xsd

Element Description	Type	Frequency
EmissionSpotMarketTrades Root element of the XML file.	-	1
EmissionSpotMarketTrades > Status Status information on the data contained in the file	-	1
EmissionSpotMarketTrades > Status > Commodity Commodity, Power	xsd:string [Commodity]	1
EmissionSpotMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1
EmissionSpotMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1
EmissionSpotMarketTrades > Trades Trades results list	-	n
EmissionSpotMarketTrades > Trades > Trade Results for a single trade	-	n
EmissionSpotMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1

Element Description	Type	Frequency
EmissionSpotMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1
EmissionSpotMarketTrades > Trades > Trade > Unit Unit of traded contract	Xsd:string [Unit]	1
EmissionSpotMarketTrades > Trades > Trade > MarketArea Market area of traded contract	Xsd:string [MarketArea]	1
EmissionSpotMarketTrades > Trades > Trade > DeliveryPeriod delivery period date of a contract	xsd:string [DeliveryPeriod]	1
EmissionSpotMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
EmissionSpotMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1
EmissionSpotMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
EmissionSpotMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:int [TradedVolume]	1
EmissionSpotMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1

7.2 Emission Rights – Futures – Historic Trade Data

Criterion	Description
Content	Derivatives Market trades for European Carbon and Certified Emission Reduction Futures
Displayed Period	One trading day.
Contained Data	Contract's volumes in t CO_2 and price information in Euros.
Generation Frequency and Time	Every exchange trading day, after each trade with a 15 to 20 minute delay
Filename	YYYYMMDD_EmissionFutureMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20141007_EmissionFutureMarketTrades_20141008005903.xml

Download Location	SFTP:datasource.eex-group.com /trade_data/environmental /Archive/derivatives/xml
Schema	EmissionFutureMarketTrades.xsd

Element Description	Type	Frequency
EmissionFutureMarketTrades Root element of the XML file.	-	1
EmissionFutureMarketTrades > Status Status information on the data contained in the file	-	1
EmissionFutureMarketTrades > Status > Commodity Commodity, Power	xsd:string [Commodity]	1
EmissionFutureMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1
EmissionFutureMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1
EmissionFutureMarketTrades > Trades Trades results list	-	n
EmissionFutureMarketTrades > Trades > Trade Results for a single trade	-	n
EmissionFutureMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1
EmissionFutureMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1
EmissionFutureMarketTrades > Trades > Trade > Unit Unit of traded contract	xsd:string [Unit]	1
EmissionFutureMarketTrades > Trades > Trade > DeliveryPeriod Delivery period of traded contract	xsd:string [DeliveryPeriod]	1
EmissionFutureMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
EmissionFutureMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1

Element Description	Type	Frequency
EmissionFutureMarketTrades > Trades > Trade > ContractVolume Contract Volume	xsd:int [ContractVolume]	1
EmissionFutureMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
EmissionFutureMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:int [TradedVolume]	1
EmissionFutureMarketTrades > Trades > Trade > TradedContracts Number of traded contracts	xsd:int [TradedContracts]	1
EmissionFutureMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1

7.3 Guarantees of Origin – Futures – Historic Trade Data

Criterion	Description
Content	Derivatives Market trades for Guarantees of Origin Futures
Displayed Period	One trading day.
Contained Data	Contract's volumes in t CO_2 and price information in Euros.
Generation Frequency and Time	Every exchange trading day, after each trade with a 15 to 20 minute delay
Filename	YYYYMMDD_GoOFutureMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20141007_GoOFutureMarketTrades_20141008165044.xml
Download Location	SFTP: datasource.eex-group.com /trade_data/environmental /Archive/derivatives/xml
Schema	GoOFutureMarketTrades.xsd

Element Description	Type	Frequency
GuaranteesOfOriginFutureMarketTrades Root element of the XML file.	-	1
GuaranteesOfOriginFutureMarketTrades > Status Status information on the data contained in the file	-	1

Element Description	Type	Frequency
GuaranteesOfOriginFutureMarketTrades > Status > Commodity Commodity, Power	xsd:string [Commodity]	1
GuaranteesOfOriginFutureMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1
GuaranteesOfOriginFutureMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1
GuaranteesOfOriginFutureMarketTrades > Trades Trades results list	-	n
GuaranteesOfOriginFutureMarketTrades > Trades > Trade Results for a single trade	-	n
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > Unit Unit of traded contract	xsd:string [Unit]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > DeliveryPeriod Delivery period of traded contract	xsd:string [DeliveryPeriod]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > ContractVolume Contract Volume	xsd:int [ContractVolume]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:int [TradedVolume]	1
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > TradedContracts Number of traded contracts	xsd:int [TradedContracts]	1

Element Description	Type	Frequency
GuaranteesOfOriginFutureMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1

8. Agricultural Futures – Historic Trade Data

Criterion	Description
Content	Derivatives Market trades for Agricultural Futures
Displayed Period	One trading day.
Contained Data	Contract's volumes in tons, a100 kilograms and price information in Euros.
Generation Frequency and Time	Every exchange trading day, after each trade with a 15 to 20 minute delay
Filename	YYYYMMDD_AgricultureFutureMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20150520_ AgricultureFutureMarketTrades_20150520173110.xml
Download Location	SFTP: datasource.eex-group.com /trade_data/agricultural /Archive/derivatives/xml
Schema	AgricultureFutureMarketTrades.xsd

Element Description	Type	Frequency
AgricultureFutureMarketTrades Root element of the XML file.	-	1
AgricultureFutureMarketTrades > Status Status information on the data contained in the file	-	1
AgricultureFutureMarketTrades > Status > Commodity Commodity, Agriculture	xsd:string [Commodity]	1
AgricultureFutureMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1
AgricultureFutureMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1
AgricultureFutureMarketTrades > Trades Trades results list	-	n
AgricultureFutureMarketTrades > Trades > Trade Results for a single trade	-	n
AgricultureFutureMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1

Element Description	Type	Frequency
AgricultureFutureMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1
AgricultureFutureMarketTrades > Trades > Trade > Unit Unit of traded contract	xsd:string [Unit]	1
AgricultureFutureMarketTrades > Trades > Trade > DeliveryPeriod Delivery period of traded contract	xsd:string [DeliveryPeriod]	1
AgricultureFutureMarketTrades > Trades > Trade > DeliveryStart Delivery start date of a contract	xsd:date [DeliveryStart]	0-1
AgricultureFutureMarketTrades > Trades > Trade > DeliveryEnd Delivery end date of a contract	xsd:date [DeliveryEnd]	0-1
AgricultureFutureMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
AgricultureFutureMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1
AgricultureFutureMarketTrades > Trades > Trade > ContractVolume Contract Volume	xsd:int [ContractVolume]	1
AgricultureFutureMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
AgricultureFutureMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:int [TradedVolume]	1
AgricultureFutureMarketTrades > Trades > Trade > TradedContracts Number of traded contracts	xsd:int [TradedContracts]	1
AgricultureFutureMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1

9. Freight Futures – Historic Trade Data

Criterion	Description
Content	Derivatives Market trades for Dry Bulk Time Charter Basket Routes Freight Future Market Results, Dry Bulk Trip Time Charter Routes Freight Future Market Results and Dry Bulk Voyage Routes Freight Future Market Results
Displayed Period	One trading day.
Contained Data	Contract's volumes in days or metric tons and price information in USD.
Generation Frequency and Time	Every exchange trading day, after each trade with a 15 to 20 minute delay
Filename	YYYYMMDD_FreightFutureMarketTrades_[YYYYMMDDhhmmss].xml Examples: 20151105_ FreightFutureMarketTrades_20151111141530.xml
Download Location	SFTP: datasource.eex-group.com /trade_data/freight /Archive/derivatives/xml
Schema	FreightFutureMarketTrades.xsd

Table 1: Characteristics and Details of Freight Future Market Trades File

Element Description	Type	Frequency
FreightFutureMarketTrades Root element of the XML file.	-	1
FreightFutureMarketTrades > Status Status information on the data contained in the file	-	1
FreightFutureMarketTrades > Status > Commodity Commodity, Agriculture	xsd:string [Commodity]	1
FreightFutureMarketTrades > Status > TradingDate Trading date of the results in the file	xsd:date [TadingDate]	1
FreightFutureMarketTrades > Status > CreationTimestamp Date and time of creation of the file	xsd:datetime [CreationTimestamp]	1
FreightFutureMarketTrades > Trades Trades results list	-	n
FreightFutureMarketTrades > Trades > Trade Results for a single trade	-	n
FreightFutureMarketTrades > Trades > Trade > TradeTimestamp Timestamp of the trade	xsd:datetime [TradeTimestamp]	1

Element Description	Type	Frequency
FreightFutureMarketTrades > Trades > Trade > Contract Contract code of the traded contract	xsd:string [Contract]	1
FreightFutureMarketTrades > Trades > Trade > Unit Unit of traded contract	xsd:string [Unit]	1
FreightFutureMarketTrades > Trades > Trade > DeliveryPeriod Delivery period of traded contract	xsd:string [DeliveryPeriod]	1
FreightFutureMarketTrades > Trades > Trade > DeliveryStart Delivery start date of a contract	xsd:date [DeliveryStart]	0-1
FreightFutureMarketTrades > Trades > Trade > DeliveryEnd Delivery end date of a contract	xsd:date [DeliveryEnd]	0-1
FreightFutureMarketTrades > Trades > Trade > TradeID Trade id of the trade	xsd:string [TradeID]	1
FreightFutureMarketTrades > Trades > Trade > TradeVersion Trade version of the trade	xsd:string [TradeVersion]	1
FreightFutureMarketTrades > Trades > Trade > ContractVolume Contract Volume	xsd:int [ContractVolume]	1
FreightFutureMarketTrades > Trades > Trade > Price Price of trade	xsd:float [TradePrice]	1
FreightFutureMarketTrades > Trades > Trade > TradedVolume Volume of trade	xsd:int [TradedVolume]	1
FreightFutureMarketTrades > Trades > Trade > TradedContracts Number of traded contracts	xsd:int [TradedContracts]	1
FreightFutureMarketTrades > Trades > Trade > TradedType Trade type	xsd:string [TradedType]	1