

ARENA DATA FEED
Entities Description
Version 2.2.62

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2.2.19	05.10.2010	Iulia Iercosan	Add XRSi and XDSi markets
2.2.20	13.10.2010	Iulia Iercosan	Add XRS and XDS markets
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January 3, 2014

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2.2.38	26.11.2014	Iulia Iercosan	Session schedule for bonds and government bonds that will be applied starting with December 8, 2014; See section 2.7
2.2.39	30.01.2015	Iulia Iercosan	Eliminate session schedule for RGSI, DLSI, XRS, XDS markets (not used anymore). Session schedule for symbol-market traded on auction model. Effective of February 23, 2015
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2.2.41	16.03.2015	Florin Duminica	Add BET-XT-TR index
2.2.42	21.04.2015		Add POFBX market
2.2.43	07.05.2015		Extend trading program for REGS/DEALS markets; Effective of May 21, 2015
2.2.44	05.06.2015		Add POFY, POFYA market for bonds quoted on yield
2.2.45	19.06.2015		Add POFAY market
2.2.46	14.07.2015		Add XRB and XDB markets, effective July 16,2015
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2.2.48	7.10.2015	Iulia Iercosan	Add 2.16 Session schedule for symbol-markets with trading using auction model (XRS1 market). Effective of October 12, 2015
2.2.49	17.11.2015	Iulia Iercosan	Session schedule for XRS1; effective of November 23, 2015; Remove unused markets UNLB, UNLS, RGSB, DLBS, ODBS, XMBS, XDEAL, POFBS, POFBV).
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2.2.52	18/09/2017		Add EUR-BOND symbol -type. Add markets for trading and settlement in EUR currency. Add market schedule for EPOFB, EORDB, EQIDB.
2.2.53	24/10/2017		Add paragraph. Tick Size Effective of December 11, 2017
2.2.54	07/09/2018		Update trading scheduler. Changes highlighted
2.2.55	25.02.2019		Add EXRB and EXDB markets (changes in blue)

2.2.56	16.10.2019	Add Closing Auction at 18:00 Bucharest Hour for XRS1, XRSI, XRB, EXRB, XORDB market (changes in blue).
2.2.57	01.11.2019	Opening and Closing Phase are randomly generated by trading system and occurs up to 30 seconds on the given times. Applied for REGS market. Effective of December 2nd, 2019
2.2.58	03.12.2019	Add EPOFY market (changes in blue).
2.2.59	16.04.2020	Add XDEALR market (changes in blue).
2.2.60	02.07.2020	Paragraph. Tick Size ,(https base)
2.2.61	11.08.2020	Add EREGT, EDLST (changes in blue).
2.2.62	23.02.2022	Update Definition and Abbreviations Add 2.3 List of markets defined in ARENA Trading Energy (System identifier – FBSE) Reindex paragraph

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1 Introduction

1.1 Purpose

Purpose of this document is to provide overview of Bucharest Stock Exchange market. This document describes entities defined in the Arena Trading System, the trading system which is the source of Arena data feed.

An entity is an abstract amount of information which is referred in document named "Arena2DATAFEED_specification.doc"

Entities can be: market entity, symbol-type entity, symbol entity, symbol-market entity, index entity.

1.2 Definition and Abbreviations

Term	Description
DATA FEED	Generic name for real time data dissemination software application
BVB/BSE	Bucharest Stock Exchange
ARENA	Electronic platform for trading, registry and clearing operations. It is the property of Bucharest Stock Exchange
Data Vendor	External party which takes and disseminates to his client's information transmitted through DATA FEED
ATS	Alternative Trading System ATS alias CAN, AERO, SMT
Arena Trading	Electronic platform for trading equity, debt and futures instruments
Arena Trading Energy	Electronic platform for trading power futures instruments
FBSE	Identifier for Arena Trading Energy System
XBSE	Identifier for Arena Trading System
DATA FEED XBSE	Software dissemination of market data sourced by Arena Trading (XBSE)
DATA FEED FBSE	Software dissemination of market data sourced by Arena Trading Energy (FBSE)

2 Market entity

2.1 Overview

Bucharest Stock Exchange (BSE) will extend trading services with derivative product. BSE will operate two trading systems, each of them match distinct instruments:

Arena Trading with identifier XBSE, used for trading equities, debt instruments, exchange-traded funds, futures instruments.

Arena Trading Energy with identifier FBSE, designed for trading power derivative product like future contracts and forward contracts.

Each trading system has their own market.

A market implements BSE's trading regulations, is equivalent with an order-book for a specific instrument.

Arena implements four types of market mechanism:

- Order-driven market – trades are concluded through automatic matching of an order with the best buy or sell side of a firm quote (auction market). All bids and offers are competitive.
- Quotes-driven market (price -driven) – trades are determined from quotations made by market makers. Quotes could be competitive or indicative.
- Deal-driven market – trades are concluded through dealing mechanism (confirmation of a deal by the counterpart)
- Hybrid market – any combination of mechanism described above.

All trades, no matter in what market are concluded, are transmitted through ARENA DATA FEED in format described in the document named “Arena2DATAFEED_specification.doc”.

According to the BSE's regulations new market can be defined for new instruments that will be traded.

2.2 List of markets defined in ARENA Trading (System Identifier = XBSE)

Market Code	Market Mechanism	Market description	Instrument traded	Market segment MIC where transaction are executed ISO 10383 MIC
ORDB	Order-driven	Order driven market for BSE listed bonds (municipal bonds and corporate bond issued by listed company)	Bonds	XBSE
QIDB	Deal & Quotes -driven	Deal & Quote-driven market for BSE listed bonds (municipal bonds and corporate bond issued by listed company); Only indicative quotes and orders are permitted.	Bonds	XBSE
REGS	Order-driven	Order-driven market for BSE listed shares	Shares, Fund Units, Exchange Traded Funds	XBSE
DEALS	Deal-driven	Deal-driven market for BSE listed shares. No quotes or orders are permitted.	Shares, Fund Units, Exchange Traded	XBSE

			Funds	
POF	Order-driven	Order-driven market for the securities involved in public offers	Shares	XBSE
POFSV	Order-driven	Order-driven market for the BSE securities involved in special operation.	Shares	XBSE
POFR	Order-driven	Order-driven for the securities involved in public offers with arbitrary allocation	Shares	XBSE
POFB	Order-driven	Order-driven market for the securities involved in public offers	Bonds	XBSE
POFBR	Order-driven	Order-driven for the securities involved in public offers with arbitrary allocation	Bonds	XBSE
ORDR	Order driven	Order-driven market for domestic rights	Rights	XBSE
DEALR	Deal driven	Order-driven market for rights	Rights	XBSE
REGF	Order driven	Order-driven market for derivative	Derivative	XBSD
RGSI	Order driven	Order-driven market for foreigner issues (not used)	Shares	XBSE
DLSI	Deal driven	Deal-driven market for shared issued by foreigner (not used)	Shares	XBSE
POFS	Order-driven	Order-driven market for the securities involved in public offers	Shares	XBSE
REGT	Order-driven	Order-driven market for Government bonds	Bonds	XBSE
DLST	Deal-driven	Deal-driven market for Government bonds. Indicative orders are permitted.	Bonds	XBSE
RGSP	Order-driven	Order-driven market for structured products	Structured products	XBSE
XRSI	Order-driven	ATS market for foreigner issues	Share	XCAN
XDSI	Deal-driven	ATS market for foreigner issues	Share	XCAN
XRS	Order-driven	ATS market for domestic issues (not used)	Share	XCAN
XDS	Deal-driven	ATS market for domestic issues (not used)	Share	XCAN
ORDRI	Order driven	Order-driven market for foreigner rights	Rights	XBSE
XRSA	Order-driven	ATS market for foreigner issues (traded on U.S. markets)	Share	XCAN
XDSA	Deal-driven	ATS market for foreigner issues (traded on U.S. markets)	Share	XCAN
DLSP	Deal-driven	Deal market for structured products	Structured products	XBSE
RVSP	Order-driven	Market use for redemption of expired structured product	Structured products	XBSE
XRS1	Order-driven	ATS market for domestic issues	Share	XCAN
XDS1	Deal-driven	ATS market for domestic issues	Share	XCAN
POFA	Order-driven	Order-driven market for the securities involved in public offers	Shares	XBSE
POFX	Order-driven	Order-driven market for special operation	Shares	XCAN

		of instruments being traded on ATS		
POFBX	Order-driven	Order-driven market for the bonds involved in public offers	Bonds	XCAN
POFY	Order-driven	Order-driven market for the instruments involved in public offers and quoted on yield	Bonds, T-Bills	XBSE
POFYA	Order-driven	Order-driven market for the instruments involved in public offers and quoted on yield	Bonds, T-Bills	XBSE
POFAV	Order-driven	Order-driven market for special operation of instruments being traded on ATS	Shares	XCAN
XRB	Order-driven	Order driven market for ATS listed bonds	Bonds	XCAN
XDB	Deal-driven	Deal market for ATS listed bonds	Bonds	XCAN
XORDR	Order driven	Order-driven market for rights	Rights	XCAN
EPOFB	Order driven	Order-driven market for public offers with trading and settlement in EUR currency	Bonds	XBSE
EORDB	Order driven	Order-driven market for bonds with trading and settlement in EUR currency	Bonds	XBSE
EQIDB	Deal& Quotes-driven	Deal & Quote-driven market for bonds with trading and settlement in EUR currency	Bonds	XBSE
EXRB	Order driven	Order-driven market for bonds with trading and settlement in EUR currency (instruments traded on ATS)	Bonds	XCAN
EXDB	Deal& Quotes-driven	Deal-driven market for bonds with trading and settlement in EUR currency (instruments traded on ATS)	Bonds	XCAN
EPOFY	Order-driven	Order-driven market for public offers with trading and settlement in EUR currency	Bonds, T-Bills	XBSE
XDEALR	Deal-driven	Deal-driven market for rights	Rights	XCAN
EREGT	Order-driven	Order-driven market for Government bonds, with trading and settlement in EUR	Bonds	XBSE
EDLST	Deal& Quotes-driven	Deal-driven market for Government bonds, with trading and settlement in EUR	Bonds	XBSE

2.3 List of markets defined in ARENA Trading Energy (System identifier – FBSE)

Market Code	Market Mechanism	Market description	Instrument traded	Market segment MIC where transaction are executed ISO 10383 MIC
RFEC	Order-driven	Power derivative market for contract with cash delivery	Power Future with cash delivery	XBSD
DFEC	Deal-driven	Power derivative market for contract with cash delivery	Power Future with cash delivery	XBSD

2.4 Short description of market state:

State	Description
PREOPEN	During this state, the system allows entry, modification and cancellation of orders BSE calculate and continuously disseminate indicative auction price and volume
OPENING	Opening auction. The system proceeds to match compatible orders: trades are concluded at one price only, the opening price (single-price auctions) During this state, the system does not accept any new orders and does not allow existing orders to be modified.
OPENED	Continuous market. During this state of market orders are accepted and are matched according with exchange rule
PRECLOSE	During this state, the system allows entry, modification, and cancellation of orders.
CLOSE	During this state of market only reports are allowing to the participant of trading. In exceptional cases, trades correction could occur.
CLOSING	Closing auction. The system proceeds to match compatible orders: trades are concluded at one price only (single-price auctions). BSE calculate and continually disseminate indicative auction price and volume
TRADING AT LAST	Trading at last - a continuous market state when the conclusion of trades is allowed exclusively on a fixed price (the price resulted from closing auction or another price)

2.5 Market State Diagram

Trading on the Bucharest Stock Exchange is conducted in two ways: continuous model and auction model.

In **continuous trading** model, the session phases are:

PREOPEN → OPENNING AUCTION → OPEN (CONTINUOUS MARKET) → PRECLOSE
→ CLOSING AUCTION → TRADING AT LAST → CLOSE

Some of markets do not have OPENING and CLOSING auction.

In **auction trading** model, session phases are:

PREOPEN → OPENNING AUCTION → TRADING AT LAST → PRECLOSE → CLOSING AUCTION → TRADING AT LAST → CLOSE

2.6 Session schedule for regulated market - shares and unit fund (REGS, DEALS)

Market code	Market status						
	PREOPEN	OPENNING AUCTION	CONTINUOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
REGS*	09:45 - 10:00	10:00 + 30s	10:00 - 17:45	17:45 - 17:50	17:50+30s	17:50 - 18:00	18:00
DEALS			10:00-18:00				18:00

All times are related to Bucharest Hour

*Opening Auction and Closing Auction Phase for REGS market are randomly generated by trading system and occurs up to 30 seconds on the given times;

2.7 Session schedule for regulated market – bonds (ORDB, QIDB, REGT, DLST, EORDB, EQIDB, EREGT, EDLST)

Market code	Stare piata						
	PREOPEN	OPENNING AUCTION	CONTINUOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
ORDB	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
QIDB	N/A	N/A	10:00 - 18:00	N/A	N/A	N/A	18:00
REGT	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
DLST	N/A	N/A	10:00 - 18:00	N/A	N/A	N/A	18:00
EORDB	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
EQIDB	N/A	N/A	10:00 - 18:00	N/A	N/A	N/A	18:00
EREGT	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
EDLST	N/A	N/A	10:00 - 18:00	N/A	N/A	N/A	18:00

* All times are related to Bucharest Hour

2.8 Session schedule regulated market - rights (ORDR, DEALR, ORDRI)

Market code	Stare piata						
	PREOPEN	OPENNING AUCTION	CONTINUOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
ORDR	09:45 - 10:00	10:00	10:00 - 17:45	17:45 - 17:50	17:50	17:50 - 18:00	18:00
ORDRI	09:45 - 10:00	10:00	10:00 - 17:45	17:45 - 17:50	17:50	17:50 - 18:00	18:00
DEALR	N/A	N/A	10:00-18:00	N/A	N/A	N/A	18:00

* All times are related to Bucharest Hour

2.9 Session schedule for all POFs markets

Market code	Stare piata						
	PREOPEN	OPENNING AUCTION	CONTINUOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
POF	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFR	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFS	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFSV	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFB	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFBR	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFA	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFX	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFBX	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFY	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFYA	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
POFAV	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30
EPOFB	10:00 - 14:30	N/A	N/A	N/A	N/A	N/A	14:30

* All times are related to Bucharest Hour.

2.10 Session schedule for derivative market (REGF)

Market	Market status
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code	PREOPEN	OPENNING AUCTION	CONTINOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
REGF	09:30 - 09:45	09:45	09:45 - 16:40	16:40 - 16:45	16:45	N/A	16:45

2.11 Session schedule for structured products markets (RGSP, DLSP, RVSP)

Market code	Market status						
	PREOPEN	OPENNING AUCTION	CONTINOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
RGSP	09:45 - 10:15	10:15	10:15 - 17:55	17:55 - 18:00	18:00	N/A	18:00
DLSP	N/A	N/A	10:15 - 18:00	N/A	N/A	N/A	18:00
RVSP	13:30 - 18:00	N/A	N/A	N/A	N/A	N/A	18:00

2.12 Session schedule ATS market (XRS1, XDS1, XDSA, XRSA, XRSI, XDSI, XORDR, XDEALR)

Market code	Market status						
	PREOPEN	OPENNING AUCTION	CONTINOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
XRS1	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
XDS1	N/A	N/A	10:00 - 18:00	N/A	N/A	N/A	18:00
XRSI	09:45 - 10:15	10:15	10:15 - 17:55	17:55 - 18:00	18:00	N/A	18:00
XDSI	N/A	N/A	10:15 - 18:00	N/A	N/A	N/A	18:00
XRSA	16:30 - 16:35	16:35	16:35 - 18:25	18:25 - 18:30	N/A	N/A	18:30
XDSA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
XORDR	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
XDEALR	N/A	N/A	10:00-18:00	N/A	N/A	N/A	18:00

2.13 Session schedule for symbol-markets with trading using auction model (REGS market)

Market code	Market status						
	PREOPEN	OPENNING AUCTION	TRADING AT LAST	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
REGS	09:45 - 12:30	12:30	12:30 - 13:00	13:00 - 17:50	17:50	17:50 - 18:10	18:10

2.14 Session schedule for ATS market – bonds (XRB, XDB)

Market code	Market status						
	PREOPEN	OPENNING AUCTION	CONTINOUS TRADING	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
XRB	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
XDB	N/A	N/A	10:00 -18:00	N/A	N/A	N/A	18:00
EXRB	09:45 - 10:00	10:00	10:00 - 17:55	17:55 - 18:00	18:00	N/A	18:00
EXDB	N/A	N/A	10:00 -18:00	N/A	N/A	N/A	18:00

2.15 Session schedule for symbol-markets with trading using auction model (XRS1 market)

Market code	Market status						
	PREOPEN	OPENNING AUCTION	TRADING AT LAST	PRECLOSE	CLOSING AUCTION	TRADING AT LAST	CLOSE
XRS1	09:45 – 12:30	12.30	12:30-13:00	13:00 – 18.00	18:00	N/A	18:00

3 Symbol-type entity

3.1 Overview

A symbol-type contains a group of symbols, which all are traded and cleared in the same currencies.

Arena accommodates more types of instrument:

- Equities (shares, right)
- Fixed-income
 - o Issued with interest (fixed rate, pre-defined floating interest rate, post-defined floating interest rate). Trading is based on clean price.
 - o Issued with discount. Trading is based on yield.

Trading and settlement can be performed in RON or foreign currency.

Depending on instrument type, trading currency and clearing currency are instantiated a lot of symbol-types.

All instruments, no matter in what symbol-type entity are classified, are transmitted through ARENA DATA FEED in format described in the document named "Arena2DATAFEED_specification.doc".

According to the BSE's regulations new symbol-type market can be defined for new instruments that will be traded.

3.2 List of symbol-types defined in ARENA Trading System

Symbol-Type	Trading Currency	Clearing Currency	Description	Instrument Type
BOND	RON	RON	Bonds which are traded and cleared in RON	Bonds
BONDS_USD	USD	RON	Bonds which are traded in USD and cleared in RON	Bonds
BOND_EURO	EURO	RON	Bonds which are traded in EURO and cleared in RON	Bonds
SHARE	RON	RON	Shares which are traded in RON and cleared in RON	Shares
RIGHT	RON	RON	Right which are traded in RON and cleared in RON	Right
SHARE-ATS	RON	RON	Shares (less liquid shares) which are traded in RON and cleared in RON	Shares
FUTURES	RON	RON	Derivative instrument	Future
SHARE-INT	RON	RON	Shares issued by foreigner issuers. Both trading value and clearing value are expressed in RON	Share
TBONDS	RON	RON	Government bonds	Bonds
FUND-UNITS	RON	RON	OPC / Collective Investment Undertakings (Funds)	Fund Units, ETF

BOND-INT	RPN	RON	Bonds issued by foreigner issuers.	Bonds
STR-PRD	RON	RON	Structured products	Structured products
TBILLS	RON	RON	Instruments quoted on yield (bonds, Treasury Bill)	T-Bill
EUR-BOND	EUR	EUR	Bond type instrument. Trading and settlement are concluded in EUR currency	Bonds

4 Symbol entity

4.1 Overview

All symbols defined in system are transmitted through ARENA DATA FEED in format described in the document named “Arena2DATAFEED_specification.doc”.

Information about all symbol defined in ARENA System are transmitted to data vendor at starting day.

According to the BSE’s regulations new symbols can be defined. Also, symbols can be deleted from the system.

4.2 Symbol State

State	Description
READY	Issue is ready for trading.
SUSPENDED	Issue is suspended from trading
DELISTED	Issue is suspended from trading and will be removed from system in next futures.

5 Symbol - Market Entity

5.1 Overview

A symbol-market entity is a group formed by symbol traded in one market.

For a symbol, can be defined more than one symbol-market, as well a symbol can be traded on more than one market, using different market mechanism.

A “Major market” (alias Primary market or mainly market) for a symbol is that market whose close price is used as reference price for next trading day. There is only one Major Market for a symbol.

In Baseline Messages from Datafeed, tag 915 indicate markets list a symbol can be traded and tag 916 point the Major Market.

According to the BSE’s regulations new symbol-market can be defined. Also, symbol-market can be deleted from system.

Examples:

A municipal bond (let’s say XXX) can be traded on two markets simultaneous:

- ORDB (Order Driven Market for Bond)
- QIDB (Quotes and Dealing Market for Bond)

For symbol XXX there are 2 symbol-markets: XXX-ORDB and XXX-QIDB.

Symbol-market XXX-ORDB is marked as “Major Market so that close price from ORDB market becomes reference price for symbol XXX for next trading day.

5.2 Symbol Market State

State (TAG 103)	Description
PREOPEN (5)	During this state of market the system allows entry, modification, and cancellation of orders BSE calculate and continually disseminate indicative auction price and volume.
OPENING/ CLOSING AUCTION (4)	The system proceeds to match compatible orders: trades are concluded at one price only, the opening price (single-price auctions) During this state of market the system does not accept any new orders and does not allow existing orders to be modified.
OPENED (1)	Continuous market. During this state of market orders are accepted and are matched according with exchange rule;
PRECLOSE (6)	During this state of market the system allows entry, modification, and cancellation of orders. BSE calculate and continually disseminate indicative auction price and volume
CLOSE (3)	During this state of market only reports are allowing to the participant of trading. In exceptional cases, trades correction could occur.
TRADING AT LAST (7)	Trading at last - a continuous market state when the conclusion of trades is allowed exclusively on a fixed price (the price resulted from closing auction or another price)
PREOPEN- EXTENDED (8)	At the end of PREOPEN state, if potential open price lies outside the dynamic tunnel, symbol-market is moved to PREOPEN EXTENDED. PREOPEN- EXTENDED is similar with PREOPEN.
PRECLOSE- EXTENDED (9)	At the end of PRECLOSE state, if potential close price lies outside the dynamic tunnel, symbol-market is moved to PRECLOSE EXTENDED PRECLOSE - EXTENDED is similar with PRECLOSE.

VOLATILITY INTERUPTION (10)	In Continuous Trading, if the potential execution price lies outside the dynamic and/or static price range, symbol-market state is moved to VOLATILITY INTERUPTION. During this state of market the system allows entry, modification, and cancellation of orders
VOLATILITY INTERUPTION EXTENDED (11)	At the end of the volatility interruption if the potential execution price is outside a dynamic price range, an VOLATILITY INTERUPTION EXTENDED is initiated. During this state of market the system allows entry, modification, and cancellation of orders

6 Index entity

6.1 Overview

According to the BSE's regulations new index can be defined.

6.2 List of indexes defined in ARENA Trading System

Index	Description	Compound Instruments
BET	Bucharest Exchange Trading	Shares
BET-C	Bucharest Exchange Trading – Composite Index	Shares Inactive from June, 23 2014
BET-FI	Bucharest Exchange Trading – Investment Fund	Shares
BET-XT	Bucharest Exchange Trading – Extend	Share
BET-NG	Bucharest Exchange Trading – Energy and Related Utilities	Share
BET-BK	Bucharest Exchange Trading Benchmark Index	Share
BETPlus	Bucharest Exchange Trading Plus Index	Share Starting from June 23, 2014
BET-TR	Bucharest Exchange Trading Total Return Index	Share Starting from September 22, 2014
BET-XT-TR	Bucharest Exchange Trading – Extended Total Return Index	Share Starting from March 23, 2015

7 Tick size

7.1 Overview

Currently, for every instrument, exchange apply a tick size table, based on liquidity band. Every tick size table for a given liquidity bands has a name. Tick size table name is disseminated via feed in tag 917.

Tag 917 could be empty, means that instrument has no tick size regime.

Any change in tick size table will be available on our web site and on official announcement channel.

7.2 Tick size table

Correspondence between tick size table name (tag 917) and effective tick size is available on our web site:

<https://www.bvb.ro/FinancialInstruments/Details/TickSizeTable.ashx>

File format: delimited text file; fields are separated by semicolon (;)

Fields description:

name - tick size table, disseminated in tag 917 for every instrument

ticksize = effective tick size

minprice_inclusive = low value of price range; minprice_inclusive value is included in price range when effective tick size is applied

maxprice_exclusive = high value of price range; maxprice_exclusive value is excluded from price range when effective tick size is applied

8 Messages Type available for every market

Market segment	Message type/ MARKETS	Market Status Message	Trade Message	Best Quotes Message	Top5 Market By Price Message	Symbol Market Statistics Message	Official Close Message ¹
BSE listed shares	REGS	X	X	X	X	X	X
	DEALS	X	X	X		X	
POF for BSE companies	POF	X	X	X	X	X	X
	POFR	X	X	X	X	X	
	POFS	X	X	X	X	X	
	POFBR	X	X	X	X	X	
	POFB	X	X	X	X	X	X
	POFSV	X	X	X	X	X	
	POFA	X	X	X	X	X	
BSE listed bonds	ORDB	X	X	X	X	X	X
	QIDB	X	X	X	X	X	
	REGT	X	X	X	X	X	X
	DLST	X	X	X	X	X	
	REGT	X	X	X	X	X	X
	EDLST	X	X	X	X	X	
BSE rights	ORDR	X	X	X	X	X	X
	ORDRI	X	X	X	X	X	X
Derivative market	REGF	X	X	X	X	X	X
Structured products	RGSP	X	X	X	X	X	X
	DLSP	X	X	X		X	
	RVSP	X	X	X	X	X	
ATS	XRSI	X	X	X	X	X	X
	XDSI	X	X	X		X	
	XRS	X	X	X	X	X	X
	XDS	X	X	X		X	
	XRSA	X	X	X	X	X	X
	XDSA	X	X	X		X	
	XRS1	X	X	X	X	X	X
	XORDR	X	X	X	X	X	X
	XDEALR	X	X	X		X	
Another Public offer market	POFY	X	X	X	X	X	
	POFYA	X	X	X	X	X	
Special operation market for instrument listed	POFAV	X	X	X	X	X	

on ATS							
ATS Bonds	XRB	X	X	X	X	X	X
	XDB	X	X	X		X	
Bonds or T-Bill traded and settle in EUR currency	EORDB	X	X	X	X	X	X
	EQIDB	X	X	X	X	X	
	EPOFB	X	X	X	X	X	X
	EPOFY	X	X	X	X	X	X
ATS Bonds traded and settled in EUR currency	EXRB	X	X	X	X	X	X
	EXDB	X	X	X		X	

(x means that the message type is available)

Note: 1. Official Close Message is for symbol-level, not for symbol-market level.

For a symbol, Official Close is disseminated at its main market close event. In case of overwriting, a new Official Close Message is disseminated. Any Official Close Message override the previous value.

9 Messages Type available for every markets state

Message type/ MARKETS	Market Status Message	Trade Message	Best Quotes Message	Top 5 Market By Price Message	Symbol Market Statistics Message	Official Close Message	Index Message
PREOPEN	X	X	X (TAG 103=5)	X	X		X
OPENING	X	X	X (TAG103=4)		X		X
OPEN	X	X	X (TAG 103=1)	X	X		X
PRECLOSE	X	X	X (TAG103=6)	X	X		X
CLOSING	X	X	X (TAG103=4)		X		X
CLOSE	X	X	X (TAG 103=3)	X	X	X	X
TRADING AT LAST	X	X	X (TAG 103=7)	X	X		

(x means that the message type is available)