

# Extract from Resolution No. 146/2022 of the Budapest Stock Exchange Ltd.

30 March 2022, Budapest

In accordance with the authorization granted in Part I. Chapter 3 Section 3.2 of the General Terms of Service of the Budapest Stock Exchange Ltd., Book Five – Regulations on Trading (hereinafter: Regulations on Trading) the Budapest Stock Exchange Ltd. decides on amendments attached hereto in consolidated form regarding the CEO Resolution 550/2013 effective **1 April 2022.** 

Máté-Tóth István Deputy CEO

on behalf of

Richárd Végh CEO

Important notice:

All information contained within this material is for information purposes only and shall not be considered as an official translation of the CEO Resolution referred to herein. The original Hungarian language version of the CEO Resolution referred to herein remains to be the solely legally binding material in the subject matter.



PUBLIC

## Extract from CEO Resolution No. 550/2013 of the Budapest Stock Exchange Ltd.

## on the applied trading parameters of the cash market and derivative market\*

#### 30 March 2022, Budapest

(integrating the provisions of CEO Resolutions 606/2013, 352/2014, 536/2014, 5/2015, 91/2015, 479/2015, 508/2015, 455/2016, 29/2017, 251/2017, 323/2017, 335/2017, 358/2017, 426/2017, 435/2017, 459/2017, 89/2018, 208/2018, 214/2018, 278/2018, 292/2018, 304/2018, 422/2018, 19/2019, 32/2019, 55/2019, 85/2019, 98/2019, 138/2019, 142/2019, 182/2019, 187/2019, 189/2019, 282/2019, 334/2019, 368/2019, 395/2019, 421/2019, 29/2020, 151/2020, 249/2020, 379/2020, 400/2020, 13/2021, 63/2021, 186/2021, 201/2021, 230/2021, 267/2021, 277/2021, 305/2021, 119/2022 and 146/2022 of the Budapest Stock Exchange Ltd.)

Effective as of 1 April 2022

\*Text containing the modification of the references of CEO resolution 416/2015 to the regulations of BSE



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## **Cash Market**

In accordance with the authorization granted in Section 3.2 of the Book Five of the General Terms of Service of the Budapest Stock Exchange Ltd. titled Regulations on Trading (hereinafter: "Regulations on Trading"), the CEO determines as follows:

#### **1. Trading Models**

In accordance with the authorization granted in Section 3.2 b) of the Regulations on Trading, the CEO decides as follows regarding the specification of the Trading Models applicable for the trading of each Exchange Product.

Instrument category	Trading model	
Equities Prime Market	Continuous Trading with Auctions	
Equities Standard Market	Continuous Trading with Auctions	
ETF	Continuous Trading with Auctions	
Equities T Market	Continuous Trading with Auctions	
Decategorised equities	Auction	
Investment Notes	Continuous Trading with Auctions	
Compensation note	Continuous Trading with Auctions	
Structured bonds	Continuous Trading with Auctions	
Certificates / Warrants	Continuous auction	
Government bonds	Continuous Trading with Auctions	
Mortgage bonds	Continuous Trading with Auctions	
Corporate bonds	Continuous Trading with Auctions	



#### 2. Tick Sizes in Instrument Groups

In accordance with the authorization granted in Section 3.2 m) of the Regulations on Trading the CEO decides as follows regarding the specification of the Tick Size Table Values and the Tick Size values defined in the Product list for the following Instrument Groups.

Long name	Instrument group	Tick size regime		Remark
	BFCD	0,01-100,00 100,0-1000,0 >1000-	Tick size: 0,01 Tick size: 0,1 Tick size: 1	Investment Notes Closed-end
Investment Notes	BFOD	0,0001-10,0000 10,000-100,000 100,00-1000,00 1000,0-10000,0 >10000-	Tick size: 0,0001 Tick size: 0,001 Tick size: 0,01 Tick size: 0,1 Tick size: 1	Investment Notes Open-end
	BFCF*	>= 0,0001	Tick size: 0,0001	Investment Notes Closed-end
Structured bonds	BCEX			
	BCEB	0,1-10,0	Tick size: 0,1	Bonus Certificates/Warrants
	BCEI	>10	Tick size: 1	Investment Certificates/Warrants
Structured products:	BCCI			Investment Certificates/Warrants
Certificates / Warrants	BCET			Turbo Certificates/Warrants
	BCIF*	>= 0,0001 <b>Tick size</b> : 0,0001		Investment Certificates/Warrants
	BCTF*	>= 0,0001	ICK SIZE. 0,0001	Turbo Certificates/Warrants
	BBFD			Corporate bonds Floating rate
Corporate bonds	BBFF*			Corporate bonds Floating rate
corporate bonds	BBXD			Corporate bonds Fixed rate
	BBXF*			Corporate bonds Fixed rate
	BGFD	>= 0.0001	Tick size: 0.0001	Government bonds Floating rate
Government bonds	BGTD	~= 0,0001	110K 312C. 0,0001	Government bonds T-bills
	BGXD			Government bonds Fixed rate
	BMFD			Mortgage bonds Floating rate
Mortgage bonds	BMXD			Mortgage bonds Fixed rate
	BMXF*			Mortgage bonds Fixed rate

\*Traded in foreign currency

Pursuant to point 49 of Directive 2014/65 / EU of the European Parliament and of the Council, by Commission Regulation (EU) No 2017/588 referring to previous point and on the basis of calculations made by ESMA, the CEO decides as follows regarding the specification Tick Size values defined for Equities, Compensation Note\*\*, and ETF-s.

The liquidity categories defined by the ESMA, based on the average daily number of transaction

Average Daily Number of Transac- tion (ADNT)	Liquidity band
0 ≤ ADNT < 10	Liquidity band 1
10 ≤ ADNT < 80	Liquidity band 2
80 ≤ ADNT < 600	Liquidity band 3
600 ≤ ADNT < 2000	Liquidity band 4
2000 ≤ ADNT < 9000	Liquidity band 5
9000 ≤ ADNT	Liquidity band 6



#### Tick Size regime specified by ESMA as a function of price and liquidity bands

Linuidity bond			PRICE			
Liquidity band	0 ≤ price < 0,1	0,1 ≤ price < 0,2	0,2 ≤ price < 0,5	0,5 ≤ price < 1	1 ≤ price < 2	2 ≤ price < 5
Liquidity band 1	0.0005	0.001	0.002	0.005	0.01	0.02
Liquidity band 2	0.0002	0.0005	0.001	0.002	0.005	0.01
Liquidity band 3	0.0001	0.0002	0.0005	0.001	0.002	0.005
Liquidity band 4	0.0001	0.0001	0.0002	0.0005	0.001	0.002
Liquidity band 5	0.0001	0.0001	0.0001	0.0002	0.0005	0.001
Liquidity band 6	0.0001	0.0001	0.0001	0.0001	0.0002	0.0005

Liquidity bond	PRICE						
Liquidity band	5 ≤ price < 10	10 ≤ price < 20	20 ≤ price < 50	50 ≤ price < 100	100 ≤ price < 200	200 ≤ price < 500	
Liquidity band 1	0.05	0.1	0.2	0.5	1	2	
Liquidity band 2	0.02	0.05	0.1	0.2	0.5	1	
Liquidity band 3	0.01	0.02	0.05	0.1	0.2	0.5	
Liquidity band 4	0.005	0.01	0.02	0.05	0.1	0.2	
Liquidity band 5	0.002	0.005	0.01	0.02	0.05	0.1	
Liquidity band 6	0.001	0.002	0.005	0.01	0.02	0.05	

	PRICE						
Liquidity band	500 ≤ price < 1000	1000 ≤ price < 2000	2000 ≤ price < 5000	5000 ≤ price < 10000	10000 ≤ price < 20000	20000 ≤ price < 50000	50000 ≤ price
Liquidity band 1	5	10	20	50	100	200	500
Liquidity band 2	2	5	10	20	50	100	200
Liquidity band 3	1	2	5	10	20	50	100
Liquidity band 4	0.5	1	2	5	10	20	50
Liquidity band 5	0.2	0.5	1	2	5	10	20
Liquidity band 6	0.1	0.2	0.5	1	2	5	10

#### Classification of the Liquidity Band for Equities, Compensation Note and ETF-s traded on BSE

Liquidity band	SECURITIES				
Liquidity band 1	BIF, ENEFI ELS, FORRÁS/T, FORRÁS/OE, UBM, FINEXT, KARPOT**, KULCSSOFT, FINEXT B, MKBBANK, ORMESTER, SUNDELL, TAKAREKJZB				
Liquidity band 2	APPENINN, CIGPANNONIA, DMKER, DUNAHOUSE, EPROLIUSIA, MEGAKRAN, NUTEX, RABA, GSPARK, PAN- NERGY, PENSUM, ANY, WABERERS, ALTEO, EHEP, ENEFI, FUTURAQUA, NORDTELEKOM, OTT1, ZWACK				
Liquidity band 3	AUTOWALLIS, MASTERPLAST, MTELEKOM, 4IG, ESTMEDIA, AKKO, OPUS, SET				
Liquidity band 4	RICHTER, MOL				
Liquidity band 5	OTP				
Liquidity band 6	ETFBUXOTP***				



\*\*ESMA does not define the Tick Size of Compensation Note, but BSE decided to use ESMA methodology to determine tick size for Compensation Note

\*\*\*For equity-based ETFs, the highest Liquidity Band is automatically determined in accordance with Commission Regulation (EU) 2017/588

In case of Negotiated Transactions the Tick Size is 0,0001 independently from the Product and the price of the Negotiated Transaction.



### 3. Trading Schedule

In accordance with the authorization of point 3.2 d) in the Regulations on Trading the CEO defines the Trading Schedule as follows.

#### **Equities and Debt Securities Section**

For securities traded in the Continuous Trading with Auctions Trading Model:

Continuous Trading with Auctions Trading Model				
Trading P	Trading Time			
Pre-Trading Phase (PRETR)		8.15-8.30		
Opening Austion Phase	Auction Call Sub-Phase (OCALL)	8.30-9.00		
Opening Auction Phase	Price Determination and matching	9.00 + Random End		
Continuous Trading Phase (TRAD	From the end of Opening Auc- tion Phase until 17.00			
	Auction Call Sub-Phase (CCALL)	17.00-17.05		
Closing Auction Phase	Price Determination and matching	17.05 + Random End		
Trade-at-Close phase* (TRDAC)	From the end of Closing Auction Phase until 17:15			
Post-Trading Phase (POSTR)	From the end of Closing Auction Phase or Trade-at-Close Phase until 17.20			
End-trading (ENDTR)	17:20			
Volatility Interruption Phase (VO	3 min. + Random End			
Random End	max. 30 sec.			

\* Trade-at-Close Phase is not activated if there was no trade execution during Closing Auction Phase or Extended Volatility Interruption after the Closing Auction was not terminated until 17:15.

\*\* During Volatility Interruption Phase the duration of the Call Sub-Phase and the Extended Call Sub-Phase lasts 3 minutes, not including the Random end.

#### For securities traded in the Continuous Auction Trading Model:

rading Phases	Trading Time			
	riading rime			
	8.30-9.00			
Continuous Auction Pre-Call Phase (XPREC) / Continuous Auction Call Phase (XCALL)	9.00-17.00*			
Post-Trading Phase (POSTR)				
End-trading (ENDTR)				
Continuous Auction Call Sub-Phase (XCALL)				
	Continuous Auction Call Phase (XCALL)			

\* The duration of this Trading Phase may be extended by the duration of XCALL phase.



For securities traded in the Auction (Several auction) Trading Model:

Auction (Several auction) Trading Model				
Trading Ph	Trading Time			
Pre-trading Phase (PRETR)	8.15-8.30			
Opening Auction Phase	Auction Call Sub-Phase (OCALL)	8.30-9.00		
5, 1, 1, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Price Determination and matching	9.00 + Random End		
Between Auction Phase (BETW)		From the end of Opening Auction Phase until 11.00		
Auction Phase	Auction Call Sub-Phase (ICALL)	11.00-11.30		
Auction Phase	Price Determination and matching	11.30 + Random End		
Between Auction Phase (BETW)		From the end of Auction Phase unti 14.00		
Austian Phase	Auction Call Sub-Phase (ICALL)	14.00-14.30		
Auction Phase	Price Determination and matching	14.30 + Random End		
Between Auction Phase (BETW)		From the end of Auction Phase unti 16.35		
Closing Austion Phase	Auction Call Sub-Phase (CCALL)	16.35-17.05		
Closing Auction Phase	Price Determination and matching	17.05 + Random End		
Post-Trading Phase (POSTR)	From the end of Closing Auction Phase until 17.20			
End-trading (ENDTR)	17:20			
Volatility Interruption Phase*		3 min. + Random End		
Random End	max. 30 sec			

\* During Volatility Interruption Phase the duration of the Call Sub-Phase and the Extended Call Sub-Phase lasts 3 minutes not including the Random end.

The validity of Orders, which are entered with Good-for-Day Validity Restriction or Good-till-Date Validity Restriction expire on the given Exchange Day after the end of the Post-trading Phase. The end of the Post-trading Phase and the time stamp of the messages sent from the system about the expiration can differ.

In accordance with the authorization of point 3.2 t) of the Regulations on Trading the CEO determines the maximum length of time of the Call phase and Extended Call phase during the Volatility Interruption for each Exchange Product traded in the Continuous Trading with Auctions and Auction Trading Models.

The maximum length of time of the Call phase and Extended Call phase during the Volatility Interruption is determined **in 3 minutes.** (Not included the duration of the Random End). In accordance with the authorization of point 3.2 p) of the Regulations on Trading the CEO determines the max-

imum length of time for Random-ends for each Exchange Product traded in the Continuous Trading with Auctions and Auction Trading Models.

The maximum length for Random-ends is determined in 30 seconds.

In accordance with the authorization of point 3.2 q) of the Regulations on Trading the CEO determines the maximum length of time of the Call phase in the Continuous Auction Trading Model.

The maximum length of time of the Call phase in the Continuous Auction Trading Model is determined in 30 seconds.



#### 4. Minimum Order Value of Negotiated Deals and Cancellation of Transactions During the Suspension Period for Negotiated Deals

In accordance with the authorization of point 3.2 gg) of the Regulations on Trading the CEO determines the minimum Order value of Negotiated Deals in case of all securities as follows.

- For all Securities traded in HUF: 25 000 000 HUF
- For all Securities traded in EUR: 100 000 EUR
- For all Securities traded in USD: 100 000 USD

According to Section 37.2 of Regulations on Trading, no negotiated deals may be concluded in an instrument regarding which the negotiated deals were suspended by the Exchange under Section 20/A.1.2 of the Regulations on Trading. Therefore, negotiated deals concluded during suspension shall be cancelled without separate exchange resolution, automatically due to their violation of the exchange regulations and thus the absence of the validity conditions of the exchange transaction. The Exchange excludes all liability related to transaction cancellation, provided that the Exchange has proceeded as specified hereinabove.

Negotiated Deal execution is temporarily suspended in case of the following instruments below:

ISIN	Name of the instrument	Start of suspension	End of suspension
HU0000153937	MOL	2022.03.11	2022.09.09
HU0000164504	AUTOWALLIS	2022.03.11	2022.08.09



#### 5. Available Order types in the different Trading Models

In accordance with the authorization of point 3.2 I) of the Regulations on Trading the CEO specifies the Order types permitted in the Trading System as follows.

Order types per instrument groups			
Instrument category	Instrument group*	Order type	
Equities Prime Market	BEQP, BQPF	Market Limit Jacharg Stan	
Equities Standard Market	BEQS, BQSF	Market, Limit, Iceberg, Stop, Trailing Stop, OCO	
ETF	BETF	Training Stop, OCO	
Equities T Market	BEQT		
Investment Notes	BFCD, BFOD, BFCF		
Corporate bonds	BBFD, BBFF, BBXD, BBXF	Market Limit Ston	
Government bonds	BGFD, BGTD, BGXD	Market, Limit, Stop, Trailing Stop, OCO	
Mortgage bonds	BMFD, BMXD, BMXF	Training Stop, OCO	
Structured bonds	BCEX		
Compensation note	BNOT		
Decategorised equities	BQTF	Market, Limit, Stop	
Certificates, Warrants (traded in continuous	BCEB, BCEI, BCCI, BCET,	Market, Limit, Stop,	
auction trading model)	BCIF, BCTF	Trailing Stop, OCO	

\* Permitted Order types are identical for all Securities in the same Instrument group listed in this table.



#### 6. Order Parameters

In accordance with the authorization of point 3.2 n) of the Regulations on Trading the CEO defines Order Parameters that can be given when entering an Order as follows.

Order parameters			
Trading model Restriction		Order Parameter	
	<b>Execution restrictions</b>	Book or Cancel	
		Main Trading Phase only	
		Auctions in Main Trading Phase only	
	Trading restrictions	Opening auction only	
		Closing auction only	
Continuous trading with auctions		Auction only	
		Good-for-Day	
		Good-till-Date	
	Validity restrictions	Good-till-Cancelled	
		Immediate or Cancel	
		Fill or Kill	
	<b>Execution restrictions</b>	-	
	Trading restrictions	Opening auction only	
		Closing auction only	
Auction		Auction only	
Addion		Intraday Auction only	
		Good-for-Day	
	Validity restrictions	Good-till-Date	
		Good-till-Cancelled	
	<b>Execution restrictions</b>	-	
	Trading restrictions	-	
Continuous auction		Good-for-Day	
	Validity restrictions	Good-till-Date	
		Good-till-Cancelled	



### 7. Maximum Order Value and Quantity

The CEO determines the standardized Maximum Order Value and Maximum Order Quantity as follows\*.

Maximum Order Value	Maximum Order Quantity
9.900.000.000 HUF	999.999.999 pcs

\*Note: Members are allowed to determine lower values for their traders.

The Budapest Stock Exchange prohibits disabling the above mentioned limits in every connectivity type.

In case of Negotiated Transactions the Maximum Order Value and the Maximum Order Quantity limits are not applicable.



#### 8. Iceberg Order Minimum Peak Quantity and Minimum Overall Volume

In accordance with the authorization of point 3.2 k) of the Regulations on Trading the CEO determines the value of Iceberg Orders must reach 10.000 EUR at the entering into the trading system, furthermore the minimum value of the Peak Quantity and Overall Volume of Iceberg Orders as follows.

Minimum Value of the Peak Quantity	Minimum Value of the Overall Volume
1.500.000 HUF	15.000.000 HUF



## 9. Dynamic and Static volatility corridors and the multiple value of the Dynamic volatility corridor

In accordance with the authorization of point 3.2 r) of the Regulations on Trading the CEO determines the percentage values of the Dynamic and Static Price Range for each Exchange Product as follows.

Default volatility corridors for new listings			
Security type	Instrument group	Dynamic volatility corridor	Static volatility corridor
ETF	BETF	10%	10%
Investment Notes	BFCD, BFOD, BFCF	10%	10%
Corporate bonds	BBFD, BBFF, BBXD, BBXF	10%	10%
Government bonds	BGFD, BGTD, BGXD	10%	10%
Mortgage bonds	BMFD, BMXD, BMXF	10%	10%
Structured bonds	BCEX	10%	10%
Compensation note	BNOT	10%	10%
Certificates	BCEB, BCEI, BCCI, BCIF	10%	10%
Turbo warrants	BCET, BCTF	50%	50%

Sec	urity	Dynamic vola-	Static
Xetra-T7 ticker	Symbol	tility corridor	volatility corridor
4IG	4IG	3,00%	6,00%
AKKO	AKKO	4,00%	8,00%
ALTEO	ALTEO	5,00%	10,00%
ANY	ANY	4,00%	8,00%
APPEN	APPENINN	5,00%	10,00%
AUTOW	AUTOWALLIS	5,00%	10,00%
BIF	BIF	5,00%	10,00%
CIG	CIGPANNONIA	4,00%	8,00%
DELTA	DELTA	10,00%	10,00%
DHS	DUNAHOUSE	5,00%	10,00%
DMKER	DMKER	10,00%	10,00%
EHEP	EHEP	10,00%	10,00%
ENEFI	ENEFI	10,00%	10,00%
ENELS	ENEFI ELS	10,00%	10,00%
EPROI	EPROLIUSIA	10,00%	10,00%
FINXB	FINEXT B	10,00%	10,00%
FINXT	FINEXT	10,00%	10,00%
FORRA	FORRAS/T	10,00%	10,00%
FORRB	FORRAS/OE	10,00%	10,00%
FUTUR	FUTURAQUA	10,00%	10,00%
GSP	GSPARK	3,00%	6,00%
KSOFT	KULCSSOFT	10,00%	10,00%
MAST	MASTERPLAST	4,00%	8,00%
MGKR	MEGAKRAN	10,00%	10,00%
MKB01	MKBBANK	10,00%	10,00%
MOL	MOL	3,00%	6,00%
MTEL	MTELEKOM	3,00%	6,00%
NORD	NORDTELEKOM	10,00%	10,00%
NUTEX	NUTEX	10,00%	10,00%
OPUS	OPUS	4,00%	8,00%
ORM	ORMESTER	10,00%	10,00%
OTP	OTP	3,00%	6,00%

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OTT1	OTT1	10,00%	10,00%
PERGY	PANNERGY	3,00%	6,00%
PNSUM	PENSUM	10,00%	10,00%
RABA	RABA	5,00%	10,00%
RICHT	RICHTER	3,00%	6,00%
SET	SET GROUP	10,00%	10,00%
SUND	SUNDELL	10,00%	10,00%
TJB	TAKAREKJZB	4,00%	8,00%
UBM	UBM	10,00%	10,00%
WABS	WABERERS	5,00%	10,00%
ZWACK	ZWACK	3,00%	6,00%

In accordance with the authorization of point 3.2 u) of the Regulations on Trading the CEO determines the multiple value of the Dynamic volatility corridor, that is referred to the triggering of Extended Volatility interruption as follows.

The CEO determines the multiple value of the Dynamic volatility corridor that is referred to the triggering of Extended Volatility interruption as the **double** of the Dynamic volatility corridor.



## **Derivative Market**

In accordance with the authorization granted in Section 3.2 of the Book Five of the General Terms of Service of the Budapest Stock Exchange Ltd. titled Regulations on Trading (hereinafter: "Regulations on Trading"), the CEO determines as follows:

#### **1. Maximum Order Value**

In accordance with the authorization granted in Section 3.2 II) of the Regulations on Trading, the CEO determines the Maximum Order Value 25.000.000.000 HUF.



## 2. Trading Schedule

In accordance with the authorization of point 3.2 d) in the Regulations on Trading the CEO defines the Trading Schedule as follows.

#### **Futures Market**

BUX and Equity Products		
Tradi	ng Periods and Sub-periods	Trading Time
Opening quetien period	Opening Order-collection Sub-period	8.30-9.00
Opening auction period	Opening Transaction Sub-period	9.00 + Random End
Free trading period		9.02-17.00
Classing question pariod	Closing Order-collection Sub-period	17.00-17.06
Closing auction period	Closing Transaction Sub-period	17.06 + Random End
Random End		max. 60 sec.

Currencies		
Tradi	ng Periods and Sub-periods	Trading Time
Free trading period		9.02-17.00
Classing question pariod	Closing Order-collection Sub-period	17.00-17.06
Closing auction period	Closing Transaction Sub-period	17.06 + Random End
Random End		max. 60 sec.

Grain Products		
Trading Periods and Sub-periods	Trading Time	
Free trading period	11.00-16.00	
Closing period	16.00-16.05 + Random End	
Random End	max. 60 sec.	

#### **Options Market**

BUX and Equity Products		
Tradi	ng Periods and Sub-periods	Trading Time
Opening quetien period	Opening Order-collection Sub-period	8.30-9.00
Opening auction period	Opening Transaction Sub-period	9.00 + Random End
Free trading period		9.02-17.00
Random End		max. 60 sec.

Currencies		
Trading Periods and Sub-periods	Trading Time	
Free trading period	9.02-17.00	



## Common rules applying to cash market and derivative market

# Determination of unexecuted order to transaction ratio (OTR)

In accordance with the authorization granted in Section 6/D.2. of Chapter 6 of Part I. of the Book Five of the General Terms of Service of the Budapest Stock Exchange Ltd. titled Regulations on Trading (hereinafter: "Regulations on Trading") and by the Commission Delegated Regulation (EU) 2017/566, the CEO of the Budapest Stock Exchange Ltd. (hereinafter: "BSE") determines the maximum values of the unexecuted order to transaction ratios applicaple from 3 January 2018 as follows, separately for the number of orders (hereinafter: "OTR<sub>no</sub>") and for the volume of orders (hereinafter: "OTR<sub>vol</sub>"), jointy: OTR.

In accordance with the authorization granted in Section 6/D.3. of Chapter 6 of Part I. of the Regulations on Trading BSE determines different maximum  $OTR_{no}$  and  $OTR_{vol}$  values for Members who are willing to take extra trading obligation in order to improve market liquidity based on the fact that this action may coincide with the increase of the OTR indicators (e.g. market makers).

Cash Market						
Instrument group	Minimum value (OTRno)	OTRno max. (in case of non- market ma- kers)	OTR <sub>no</sub> max. va- lue (in case of market makers)	Minimum value (OTR <sub>vol</sub> )	OTR <sub>vol</sub> max. va- lue (in case of non-market ma- kers)	OTR <sub>vol</sub> max. va- lue (in case of market makers)
Equities Prime	1	20 000	100 000	1 000	100 000	1 000 000
Equities Stan- dard	1	20 000	100 000	1 000	100 000	1 000 000
Equities T	1	20 000	100 000	1 000	100 000	1 000 000
Decategorised equities	1	20 000	100 000	1 000	100 000	1 000 000
ETF	1	20 000	100 000	1 000	100 000	1 000 000
Investment certificate	1	50 000	500 000	1 000	500 000	5 000 000
Turbo certificate and warrants	1	50 000	500 000	1 000	500 000	5 000 000
Investment funds	1	1 000	5 000	1 000	200 000	2 000 000
Compensation Note	1	1 000	50 000	1 000	100 000	1 000 000
Government bonds	1	1 000	5 000	10 000	200 000	2 000 000
Treasury bills	1	1 000	5 000	10 000	200 000	2 000 000
Corporate bonds	1	1 000	5 000	10 000	200 000	2 000 000
Mortgage bonds	1	1 000	5 000	10 000	200 000	2 000 000



BETa market						
Instru- ment group	Minimum value (OTRno)	OTR <sub>no</sub> max. (in case of non- market makers)	OTR <sub>no</sub> max. va- lue (in case of market makers)	Minimum value (OTR <sub>vol</sub> )	OTR <sub>vol</sub> max. value (in case of non- market makers)	OTR <sub>vol</sub> max. va- lue (in case of market makers)
Foreign equities	1	20 000	200 000	1 000	100 000	1 000 000

	Xtend market						
Instru- ment group	Minimum value (OTR <sub>no</sub> )	OTR <sub>no</sub> max. (in case of non- market makers)	OTR <sub>no</sub> max. va- lue (in case of market makers)	Minimum value (OTR <sub>vol</sub> )	OTR <sub>vol</sub> max. value (in case of non- market makers)	OTR <sub>vol</sub> max. va- lue (in case of market makers)	
Xtend equi- ties	1	100 000	100 000	1 000	100 000	1 000 000	

Derivatives market						
Instrument group	Minimum value (OTR <sub>no</sub> )	OTR <sub>no</sub> max. (in case of non- market makers)	OTR <sub>no</sub> max. va- lue (in case of market makers)	Minimum value (OTR <sub>vol</sub> )	OTR <sub>vol</sub> max. value (in case of non- market makers)	OTR <sub>vol</sub> max. va- lue (in case of market makers)
Index futu- res	1	10 000	100 000	10 000	100 000	1 000 000
Single stock futu- res	1	10 000	100 000	10 000	100 000	1 000 000
Currency futures	1	10 000	100 000	10 000	100 000	1 000 000
Index opti- ons	1	10 000	100 000	10 000	100 000	1 000 000
Single stock opti- ons	1	10 000	100 000	10 000	100 000	1 000 000
Currency options	1	10 000	100 000	10 000	100 000	1 000 000

	Commodity market							
Instru- ment group	Minimum value (OTRno)	OTR <sub>no</sub> max. (in case of non- market makers)	OTR <sub>no</sub> max. va- lue (in case of market makers)	Minimum value (OTR <sub>vol</sub> )	OTR <sub>vol</sub> max. value (in case of non- market makers)	OTR <sub>vol</sub> max. va- lue (in case of market makers)		
Grain futu- res	1	10 000	100 000	10 000	100 000	1 000 000		
Grain opti- ons	1	10 000	100 000	10 000	100 000	1 000 000		

BSE calculates each OTR for each trading day per Exchange Members and per individual instruments using the following formulas for each trading day, taking into account all trading periods of the trading day:

 $OTR_{no} = \frac{Number \ of \ orders \ entered \ by \ Exchange \ Member}{Number \ of \ orders \ entered \ and \ executed \ by \ Exchange \ Member + minimum \ value \ of \ denominator} - 1$ 

OTR<sub>vol</sub>

The total value of orders entered by Exchange Member (volume)

 $=\frac{1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of denominator - 1}{The total value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed orders by Exchange Member(volume) + minimum value of entered and executed order and executed orde$ 

In the denominator of OTR formulas contains all executed orders including partially executions and minimum value specified for the given instrument group is also added while in the numerator all orders are aggregated including entered, modified and deleted orders.



Orders that are deleted out of the Exchange Member's intention - e.g. deletion made by the Exchange, orders not accepted at auction, deletion due to lost connectivity or due to activation of Kill functionality - won't be taken into account while calculating OTR indicators.

When calculating the OTR<sub>vol</sub> for different sections the transaction values (volumes) are determined as follows:

- Equities section, BETa market: volume
- Debt security section: nominal value
- Derivatives market, Commodity market: number of contracts

When calculating OTR formulas, type of orders and restrictions are taken into account with the following weighting factors:

Weights according to the type of order and restrictions				
Order type	Weight multiplier			
Limit order submission/deletion	1			
Limit order modification	2			
Market order submission/deletion	1			
Market order modification	2			
Iceberg order submission/deletion	1			
Iceberg order modification	2			
Stop, Trailing Stop, OCO order submission/modification	1 (in case of activation 2)			
Stop, Trailing Stop, OCO order deletion	1			
Quote submission/deletion (Standard Market Maker Order, Matching quote, Price without turnover quote)	2			
Quote modification (Standard Market Maker Order, Matching quote, Price without turnover quote)	4			
Order restriction	Weight multiplier			
Immediate-or-Cancel	1 (in case of withdrawal/deletion 2)			
Fill-or-Kill	1			
Book or Cancel	1			

BSE measures OTR indicators for individual instruments on daily basis, and report those formulas to Exchange Members (only the relevant ones) on a monthly basis showing their daily performance and their possible limit exceeds.

If BSE determines that the OTR indicators calculated above exceeds at least one of the predefined maximum value in respect of one or more individual instrument for a given Exchange Member more than in 3 trading days of a calendar year, then the Exchange may warn the Exchange Member within 3 trading days and may apply sanctions in accordance with the authorization granted in Section 11 of Chapter 1 of Part II of the Book Three of the General Terms of Service of the Budapest Stock Exchange Ltd. titled Regulations on Trading.

The CEO of BSE continuously monitors the OTR indicators per Exchange Member and per individual instruments, and if justified by market conditions maximum OTR numbers will be modified.



Important notice:

All information contained within this material is for information purposes only and shall not be considered as an official translation of the CEO Resolution referred to herein. The original Hungarian language version of the CEO Resolution referred to herein remains to be the solely legally binding material in the subject matter.

Máté-Tóth István Deputy CEO

on behalf of

Richárd Végh CEO