Budapest Stock Exchange

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BSE TECHNICAL SPECIFICATIONS

Access to BSE Information via WBAG's data feed

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Version number	Effective date/date of modification
I/2013	06 December 2013
I/2018	03 January 2018

Access to BSE Information via WBAG's data feed

As of June 1, 2013 BSE Information is offered exclusively via the data feed of Wiener Börse AG (hereinafter: WBAG). From that date the Physical Access Point of BSE Information is the data feed server of WBAG located in Vienna. Distributors may receive BSE Information in WBAG's data format.

Dissemination of BSE Information via WBAG's data feed is conducted under the terms and conditions of the BSE Agreement (the Information Distribution Agreement together with BSE Schedule of Fees, BSE Information Policies, BSE Information Packages and BSE Technical Specifications as published by BSE and amended from time to time in accordance with the Agreement).

Distributor must have a valid BSE Information Distribution Agreement in order to access BSE Information via WBAG's data feed. It is however necessary for the Distributor to also execute the annex of WBAG's data distribution agreement ('Market Data Agreement') called 'Annex Budapest via Vienna: Subscription of Budapest Stock Exchange Information Packages'.

WBAG's data distribution system

WBAG's data feed was created with the unique benefit of covering all markets of the CEE stock exchange group via one connection. Its technology is based on the TARGIN™ market data dissemination system and provides a customized data feed with comprehensive data content.

The technical details for the data feed are described in the Interface Specifications, which are available in the closed user group 'Vendors Only' for Distributors having an agreement with BSE, at the following website: https://www.wienerborse.at/en/market-data/cug-vendors-only/datafeed/

User name and password to the 'Vendors Only' page can be requested from WBAG via telephone (+43-1-531-65-288) or via e-mail at datafeed@wienerborse.at.

All effective technical data and information that are published on the 'Vendors Only' page of WBAG's official website are part of the technical specification of BSE's data distribution service.

Service hours for WBAG's technical and functional helpdesks are between 8:00 and 17:30 on all WBAG trading days (phone: +43-1-531-65-288, e-mail: datafeed@wienerborse.at). Out of these service hours, as well as on WBAG trading holidays which are trading days on BSE, WBAG's helpdesk facilities may be limited. Help desk service concerning data content is provided by BSE and can be reached during BSE's trading hours by e-mail (vendor@bse.hu).

For detailed information on WBAG's feed, data formats and connection features, please contact WBAG at datafeed@wienerborse.at.

Other Physical Access Points

- **BSE's SFTP server**
- **Name of the server:** download2.bse.hu
- **IP address:** 82.144.184.235

User name and password to the Server can be requested from colleagues of BSE via e-mail at [vendor-technical@bse.hu.](mailto:vendor-technical@bse.hu)

Technical and Functional Help desk is provided by BSE on all BSE trading days via phone (+36-1-429-6774) or via e-mail (vendor-technical@bse.hu) between 8.00 and 19.00.

- **WBAG's FTP server**
- **Name of the server:** download.wienerborse.at

User name and password to the Server can be requested from WBAG via telephone (+43-1-531-65-183) or via e-mail at (mds@wienerborse.at) on all trading days.

Service availability hours: between 18.00 and 19.30 CET

Technical and Functional Help desk is provided by WBAG on all WBAG trading days via telephone (+43-1-531-65-183) or via e-mail (mds@wienerborse.at) between 8:00 and 17:30 CET.