



Market Data Products in accordance with Annex 1 of the Market Data Agreement

As of 1 January 2018

General Information

Level 1 Market Data contains:

- The last price traded (netted) with order size
- The best bid/ask (aggregated order book) with order size
- Other information such as master data, market phases and statistical data

Level 2 Market Data contains:

- Level 1 Market Data
- The 10 best bid/ask prices with order size (aggregated order book) depending on availability. An exception is made for Level 2 Market Data for the **Macedonian** Stock Exchange. The data includes the 5 best bid/ask prices with order size depending on availability.

Level 2 Low Latency Market Data contains:

- Market depth up to 10 depending on availability for the Vienna Stock Exchange and market depth up to 20 for the stock exchanges of Prague, Ljubljana and Zagreb
- It is not possible to subscribe to index data via the Low Latency Data Feed.

Tick-by-tick data contains:

- Aggregated order book and trades (not netted)

Real-time market data: Market data that is made available to the market by WBAG with a time delay of less than 15 minutes after initial transmission.

Time-delayed market data: Market data that is made available to the market by WBAG with a time delay of 15 minutes or longer after initial transmission.

Closing prices: Market data that is usually transmitted once a day after the close of trading.

- The following stock exchanges are subject to MiFID II: Vienna Stock Exchange, Prague Stock Exchange, Ljubljana Stock Exchange and Zagreb Stock Exchange
- The following stock exchanges are not subject to MiFID II: Banja Luka, Belgrade, Macedonia and Kazakhstan, Energy Exchange Austria (EXAA)



Standard products

Vienna

The product **Indices** contains:

- Price information on the indices calculated by WBAG

The following indices are included: Austrian indices (e.g. ATX; ATX Prime, ATX TR, WBI, IATX, SATX), country indices (CEE indices and CIS indices e.g. RDX), sector indices, theme & style indices as well as customized indices

Real time
Time delayed
Closing prices
Tick-by-tick (historic order book)

The product **Index Baskets** contains:

- Daily closing prices for the indices calculated by WBAG
- Index constituents
- Index reference data and dividends

The following indices are included: Austrian indices (e.g. ATX; ATX Prime, ATX TR, WBI, IATX, SATX), country indices (CEE indices and CIS indices e.g. RDX), sector indices, theme & style indices as well as customized indices

File

The product **Cash Market + Structured Products** contains:

- Market data of Austrian and international instruments traded on WBAG
- Netted pre-trade data and trade data (not netted for low latency products)
- The product is available in Level 1 and Level 2 quality

The following instruments are included: national and international shares, share certificates, bonds, ETFs, warrants, certificates and subscription rights, profit-sharing rights, investment funds, put options and participation certificates

Real time
Time delayed
Closing prices
Tick-by-tick (historic order book, not netted)

The product **Global Market** contains:

- The market data of Austrian and international instruments traded on WBAG
- Netted pre-trade data and trade data (not netted for low latency products)
- The product is available in Level 1 and Level 2 quality

The following instruments included at present are: shares, shares represented by certificates, ETFs. The instruments are from Germany, France, Italy, the Netherlands, Spain, Russia and the US.

Real time
Time delayed
Closing prices

The product **Xetra Reference Data** contains:

- Daily file with all instruments tradable on Xetra Vienna
- The file contains all instruments tradable on the next stock exchange trading day including their unique attributes (ISIN, symbol, full name and other) as well as further market model-specific data (e.g. trading hours, tradable units, price intervals)

The following instruments are included: national and international shares, bonds

Files

The product **Master Data** contains:

- Master data for Austrian and international instruments traded on WBAG

Files



<p>The following instruments are included: shares, bonds, structured financial products, indices</p>	
<p>The product RTS 23 "Enhanced Listing Data" contains:</p> <ul style="list-style-type: none"> ■ Additional MiFID II listing data for Austrian and international instruments traded on WBAG, e.g. LEI, issuer approval, issuer requested, listing admission date and time, etc. 	
<p>The following instruments are included: shares, bonds, structured financial products, indices</p>	<p>Real time Files</p>
<p>The product Investment Funds supplied by Oesterreichische Kontollbank (OeKB) contains:</p> <ul style="list-style-type: none"> ■ Up-to-date daily reference prices for all investment funds available to the public in Austria 	<p>Files</p>
<p>Prague</p>	<p>Quality</p>
<p>The product Indices contains:</p> <ul style="list-style-type: none"> ■ Price information on the indices calculated by WBAG on behalf of the Prague Stock Exchange <p>The following indices are included: PX, PX-TR and PX-Glob Index</p>	<p>Real time Time delayed Closing prices Tick-by-tick (historic order book)</p>
<p>The product Cash Market + Structured Products contains:</p> <ul style="list-style-type: none"> ■ Market data for Czech and international instruments traded on the Prague Stock Exchange ■ Netted pre-trade data and trade data (not netted for low latency products) ■ The product is available in Level 1 and Level 2 quality <p>The following instruments are included: Czech and international shares, bonds, certificates and warrants</p>	<p>Real time Time delayed Closing prices Tick-by-tick (historic order book, not netted)</p>
<p>The product Xetra Reference Data contains:</p> <ul style="list-style-type: none"> ■ Daily file with all instruments tradable on Xetra Prague ■ The file contains all instruments tradable on the next stock exchange trading day including their unique attributes (ISIN, symbol, full name and other) as well as further market model-specific data (e.g. trading hours, tradable units, price intervals) <p>The following instruments are included: Czech and international shares and bonds</p>	<p>Files</p>
<p>The product RTS 23 "Enhanced Listing Data" contains:</p> <ul style="list-style-type: none"> ■ Additional MiFID II listing data of Czech and international instruments traded on the Prague Stock Exchange, e.g. LEI, issuer approval, issuer requested, listing admission date and time, etc. 	<p>Real time Files</p>



<p>The following instruments are included: Czech and international shares and bonds</p>	
<p>The product Information on Issuers contains:</p> <ul style="list-style-type: none"> ■ Information that must be reported to the Prague Stock Exchange for regulatory and/or legal reasons by the companies listed on the Prague Stock Exchange ■ The information is available in English and Czech 	<p>Real time Files</p>
<p>The product Stock Exchange Bulletin contains:</p> <ul style="list-style-type: none"> ■ Information that is published by the various departments of the Prague Stock Exchange such as Trading, Listing, Legal, etc. ■ The information is available in English and Czech 	<p>Files</p>
<p>Ljubljana</p>	<p>Quality</p>
<p>The Indices product contains:</p> <ul style="list-style-type: none"> ■ Price information on the indices calculated by WBAG on behalf of the Ljubljana Stock Exchange <p>The following indices are included: SBI Top</p>	<p>Real time Time delayed Closing prices Tick-by-tick (historic order book)</p>
<p>The product Cash Market contains:</p> <ul style="list-style-type: none"> ■ Market data of Slovenian instruments traded on the Ljubljana Stock Exchange ■ Netted pre-trade data and trade data (not netted for low latency products) ■ The product is available in Level 1 and Level 2 quality <p>The following instruments are included: Slovenian shares and bonds, Slovenian block trades entered into the trading system by trading participants (on-exchange, off-order-book trades)</p>	<p>Real time Time delayed Closing prices Tick-by-tick (historic order book, not netted)</p>
<p>The product Xetra Reference Data contains:</p> <ul style="list-style-type: none"> ■ Daily file with all instruments tradable on Xetra Ljubljana ■ The file contains all instruments tradable on the next stock exchange trading day including their unique attributes (ISIN, symbol, full name and other) as well as further market model-specific data (e.g. trading hours, tradable units, price intervals) <p>It contains the following instruments: Slovenian shares and bonds</p>	<p>Files</p>
<p>Zagreb</p>	<p>Quality</p>
<p>The product Indices contains:</p> <ul style="list-style-type: none"> ■ Price information on the indices calculated by WBAG on behalf of the Zagreb Stock Exchange <p>The following indices are included: Crobex, Crobex Total Return, Crobex10, Crobis, Crobis Total Return, Crobexplus and sector indices</p>	<p>Real time Time delayed Closing prices</p>
<p>The product Cash Market contains:</p> <ul style="list-style-type: none"> ■ Market data of Croatian instruments traded on the Zagreb Stock Exchange 	<p>Real time Time delayed</p>



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- Netted pre-trade data and trade data
 - The product is available in Level 1 and Level 2 quality

Closing prices

The following instruments are included: Croatian shares and bonds, Croatian block trades entered into the trading system by trading participants (on-exchange, off-order-book trades)

The product **Xetra Reference Data** contains:

- Daily file with all instruments tradable on Xetra Zagreb
- The file contains all instruments tradable on the next stock exchange trading day including their unique attributes (ISIN, symbol, full name and other) as well as further market model-specific data (e.g. trading hours, tradable units, price intervals)

The following instruments are included: Croatian shares and bonds

Files



Banja Luka	Quality
<p>The product Indices contains:</p> <ul style="list-style-type: none"> ■ Price information on the indices calculated by the Banja Luka Stock Exchange <p>The following indices are included: BIRS, ORS, BATX</p>	<p>Real time Time delayed Closing prices</p>
<p>The product Cash Market contains:</p> <ul style="list-style-type: none"> ■ The market data of Bosnian instruments traded on the Banja Luka Stock Exchange ■ Netted pre-trade data and trade data ■ The product is available in Level 1 and Level 2 quality <p>The following instruments are included: Bosnian shares, bonds and ETFs</p>	<p>Real time Time delayed Closing prices</p>
Belgrade	Quality
<p>The product Indices product contains:</p> <ul style="list-style-type: none"> ■ Price information on the indices calculated by the Belgrade Stock Exchange <p>The following indices are included: BELEX15 and BELEXline</p>	<p>Real time Time delayed Closing prices</p>
<p>The product Cash Market contains:</p> <ul style="list-style-type: none"> ■ The market data of Serbian instruments traded on the Belgrade Stock Exchange ■ Netted pre-trade data and trade data ■ The product is available in Level 1 and Level 2 quality <p>It contains the following instruments: Serbian shares and bonds</p>	<p>Real time Time delayed Closing prices</p>
<p>The product OTC Data contains:</p> <ul style="list-style-type: none"> ■ OTC market data for Serbian instruments that are reported to the Belgrade Stock Exchange by Serbian market participants ■ Netted trade data <p>It contains the following instruments: Serbian shares and bonds</p>	<p>Closing prices</p>
Macedonia	Quality
<p>The product Indices contains:</p> <ul style="list-style-type: none"> ■ Price information on the indices calculated by the Macedonian Stock Exchange <p>The following indices are included: MBI10 and OMB</p>	<p>Real time Time delayed Closing prices</p>
<p>The product Cash Market contains:</p> <ul style="list-style-type: none"> ■ The market data of Macedonian instruments traded on the Macedonian Stock Exchange ■ Netted pre-trade data and trade data ■ The product is available in Level 1 and Level 2 quality 	<p>Real time Time delayed Closing prices</p>



It contains the following instruments: Macedonian shares and bonds

Kazakhstan

Quality

The product **KASE Market Data**:

- The market data of Kazakh instruments traded on the Kazakhstan Stock Exchange
- Netted pre-trade data and trade data
- The product is available in Level 1 and Level 2 quality

Real time
Time delayed
Closing prices

The following instruments are included: foreign currencies, Kazakh shares, bonds, repos, futures

Corporate Actions

Quality

The product contains:

- Corporate actions of companies listed on the stock exchanges of Vienna, Prague, Ljubljana, Budapest, Banja Luka, Belgrade and Macedonia

File

The following instruments are included: shares

WBAG MiFID II APA Service

Quality

The product contains:

- Over-the-counter market data on instruments admitted to trading in the EU reported by Austrian and international (e.g. Czech) market participants to the Vienna Stock Exchange Approved Publication Arrangement (APA)

Real time
Time delayed
Closing prices

The following instruments are included: all MiFIR-relevant instruments tradable on European stock exchanges

Energy Exchange Austria (EXAA)

Quality

The product **Spot Electricity Market and Green Electricity** contains:

- Market data of Austrian and international instruments traded on EXAA

Real time
Time delayed
Closing prices

The following instruments are included: spot market block products, hourly products, quarter-hour products



MiFID II Disaggregated Products

- The following stock exchanges are subject to MiFID II: the exchanges of Vienna, Prague, Ljubljana and Zagreb

Pre-Trade Products

The product **Pre-Trade** of the respective stock exchange contains:

- Level 1: The best bid/ask (aggregated order book) with order size for all instruments subject to pre-trade transparency pursuant to MiFID
- Level 2: The ten best bid/ask prices with order size (aggregated order book) depending on availability for all instruments subject to pre-trade transparency pursuant to MiFID including information on market phases, trade halts and news messages

Quality

Real time
Time delayed
Closing prices

Post-Trade Products

The product **Post-Trade** of the respective stock exchange contains:

The last traded price (netted) with order size for all instruments subject to post-trade transparency pursuant to MiFID as well as basic data such as listing date, dividends, reference price, order book status, trading halts and trading suspensions, order book summary and news messages

Quality

Real time
Time delayed
Closing prices
