QuantHouse® FeedOS™

FeedOS™ Developer's Notice

BME – Update of the Referential and Quotation Tags

Reference n°: 20130403

Effective as of: 08 April 2013

Action required from users: Optional

QUANTHOUSE

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QuantHouse® FeedOS™
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UPDATE OF THE REFERENTIAL AND QUOTATION TAGS ON BME

To reflect the changes caused by the dissemination of new values on BME market data stream, QuantHouse® has decided to enhance the content of QuantFEED®.

This developer's notice contains late-breaking information about the implementation of this modification in your applications, which may not be included otherwise in the published documentation. The topics this notice covers include:

- 1. Update Summary
- 2. Functional Description
- 3. QuantFEED® Technical Implementation
- 4. Finding the Latest Information.

1. Update Summary

Table 1 Current update summary

Notice Reference	20130403
Scope	Reference Data
Exchanges	BME
Effective Date	**2013-04-08**
Impact	• Update of the Referential and Quotation Tags
Action required	Optional

2. Functional Description

Starting Monday, **April 08, 2013**, QuantHouse® introduces two new referential tags `DynamicVariationRange` (**NumericID**: `9553`, **Type**: `Float64`) and `StaticVariationRange` (**NumericID**: `9554`, **Type**: `Float64`) to accommodate the information disseminated on BME market data stream.

The **Dynamic Range** defines the maximum permitted variation around the *Dynamic Price* (in both directions) and it is expressed as a percentage. The *Dynamic Price* is the price fixed *in the last trade*, and may be the result either of an auction (in which case it will be the same as the static price) or of a trade made on the open market. The Dynamic Range remains in force only while the market is open and during the closing auction.

The **Static Range** defines the maximum permitted variation around the *Static Price* (in both directions) and it is expressed as a percentage. The *Static Price* is the price fixed *at the last auction* (the auction allocation price). The Static Range remains in force during the entire session.

QuantHouse® disseminates only the variation ranges related to the continuous trading session.

Warning	The two quotation tags `MARKET_BME_DynamicVariationRange` (**NumericID:** `14920`, **Type:** `Float64`) and `MARKET_BME_StaticVariationRange` (**NumericID:** `14921`, **Type:** `Float64`) continue to be disseminated in QuantFEED®'s Level 1 Data Stream to identify the Static and Dynamic Variation Range of the shares. However, these quotation tags will be removed in a future version of the feed.

Moreover, QuantHouse® introduces the new quotation context tag `MARKET_BME_TradeTypeIndicator` (**NumericID**: `15602`, **Type**: `String`) to accommodate the information disseminated on BME market data stream and indicate the origin of the trade.

3. QuantFEED® Technical Implementation

The following sections describe the technical implementation of the new or updated tags:

3.1. Dynamic Variation Range and Static Variation Range

The values of the referential tags **Dynamic Variation Range** and **Static Variation Range** conveyed on the BME market data stream are disseminated via QuantFEED®'s data stream in *Referential* to indicate the maximum permitted value around the dynamic and static price.

QuantFEED®'s implementation of the values currently available for the tag `DynamicVariationRange` is described in the following table:

Table 2 DynamicVariationRange – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	`DynamicVariationRange`	QuantFEED® tag name.
Numeric ID	`9553`	QuantFEED® unique ID disseminated on QuantHouse®'s data stream. This is the numeric equivalent of the tag name.
Type	`Float64`	Float64 data type.
Format / Possible Values	*`[Exchange Specific Value]`*	An ***exchange specific percentile value***, detailing the maximum permitted value around the dynamic price, as shown in the following example.

QuantFEED®'s implementation of the values currently available for the tag `StaticVariationRange` is described in the following table:

Table 3 StaticVariationRange – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	`StaticVariationRange`	QuantFEED® tag name.
Numeric ID	`9554`	QuantFEED® unique ID disseminated on QuantHouse®'s data stream. This is the numeric equivalent of the tag name.
Type	`Float64`	Float64 data type.
Format / Possible Values	*`[Exchange Specific Value]`*	An ***exchange specific percentile value***, detailing the maximum permitted value around the static price, as shown in the following example.

Below is an example of the current implementation of the referential tags `DynamicVariationRange` in BME market data stream:

```
instr # 238/1109 = 499123285
    PriceCurrency                string{EUR}
    Symbol                       string{S3173}
    Issuer                       string{8}
    Description                  string{LINK FLEXI.}
    SecurityType                 string{MF}
    FOSMarketId                  XMCE
    CFICode                      string{EUXXXX}
    RoundLot                     float64{1}
    SecurityGroup                string{XSSV}
    InternalCreationDate         Timestamp{2012-05-23 05:00:18:379}
    InternalModificationDate     Timestamp{2013-02-12 07:25:05:805}
    InternalSourceId             uint16{89}
    LocalCodeStr                 string{ES0156981039}
    ISIN                         string{ES0156981039}
    PriceIncrement_dynamic_TableId  uint32{5832808}
    DynamicVariationRange        float64{7}
```

3.2. Trade Type Indicator

Each time a trade occurs, the values of the quotation context tag **Trade Type Indicator** conveyed on the BME market data stream are disseminated via QuantFEED®'s data stream in *Context*, to indicate the origin of the trade:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#

- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

QuantFEED®'s implementation of the tag `MARKET_BME_TradeTypeIndicator` is described in the following table:

Table 4 MARKET_BME_TradeTypeIndicator – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	`MARKET_BME_TradeTypeIndicator`	QuantFEED® tag name.
Numeric ID	15602	QuantFEED® unique ID disseminated on QuantHouse®'s data stream. This is the numeric equivalent of the tag name.
Type	`String`	String data type.
Format	*`[Exchange Specific Value]`*	An ***exchange specific value***, indicating the origin of the trade.
Possible Values	1	The trade comes from the Continuous Trading.
	2	The trade comes from an Opening Auction.
	3	The trade comes from a Closing Auction.
	4	The trade comes from a Volatility Auction
	5	The trade comes from a Manual Auction.
	6	The trade comes from an Opening Auction Extended.
	7	The trade comes from a Closing Auction Extended.
	8	The trade comes from a trading period at closing price. In a countertrade case, this value is always 1.

Below is an example of the current implementation of the quotation context tag `MARKET_BME_TradeTypeIndicator` in BME market data stream:

```
EV 238/1008            2013-02-05 08:00:22     /ServerUTCTime: 2013-02-05 10:34:56:844
content: LastPrice LastTradeQty Context
        LastTradeQty  = 1000
        LastPrice     = 10.07
CONTEXT:
MARKET_BME_TradeTypeIndicator:  2
EV 238/1008            2013-02-05 08:00:22     /ServerUTCTime: 2013-02-05 10:34:56:845
content: LastPrice LastTradeQty Context
        LastTradeQty  = 50
        LastPrice     = 10.07
CONTEXT:
MARKET_BME_TradeTypeIndicator:  2
EV 238/1008            2013-02-05 08:00:22     /ServerUTCTime: 2013-02-05 10:34:56:845
content: LastPrice LastTradeQty Context
        LastTradeQty  = 837
        LastPrice     = 10.07
```

4. Finding the Latest Information

For the latest documentation and product updates, additional support and training, please contact our support services:

- E-mail: support@quanthouse.com
- Web: http://support.quanthouse.com.