

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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CAPITAL IQ

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	<i>[Exchange specific value]</i>	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	<code>StaticVariationRange</code>	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	<i>[Exchange Specific value]</i>	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	<code>MARKET_BME_TradeTypeIndicator</code>	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	<i>[Exchange specific value]</i>	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>.