

S&P Capital IQ Real-Time Solutions

QuantFEED® Developer's Notice

TSE EQUITIES – Feed Update

Reference n°: 18923 – 20140403

Effective as of: **14 April 2014**

Action required from users: **Mandatory Action**



**S&P
CAPITAL IQ**

McGRAW HILL FINANCIAL

S&P Capital IQ Real-Time Solutions (QuantHouse®) – QuantFEED®
QuantFEED® Developer's Notice
Reference 18923 – 20140403
April 03, 2014

Corporate Headquarters

S&P Capital IQ Real-Time Solutions (QuantHouse®)
52 Rue de la Victoire
75009 Paris
France
Tel: +33 (0) 1 73 02 32 11
Fax: +33 (0) 1 73 02 32 12

US Offices

55 Water Street, 44th floor
New York, NY 10041
United States of America
Tel: +1-(212)-438-4346

130 East Randolph
One Prudential Plaza, Suite 2900
Chicago, IL 60601
United States of America
Tel: +1-(312)-233-7129

UK Office

20 Canada Square
Canary Wharf
London E14 5LH
United Kingdom
Tel: +44 (0) 203 107 1676

Singapore Office

12 Marina Boulevard
#23-01 Marina Bay
Financial Centre Tower 3
Singapore 018982
Tel: +65 6530 6546

www.quanthouse.com

Disclaimer for Technical Documents

QuantHouse® S.A.S. endeavors to include accurate and current information in its materials. However, QuantHouse® does not warrant the accuracy or completeness of the information contained herein. QuantHouse® may change such information at any time, but makes no commitment to update it.

References by QuantHouse® to products offered by third-parties do not constitute an endorsement by QuantHouse® of such products and should not be construed as an association with their owners.

YOUR USE OF THE INFORMATION HEREIN IS AT YOUR OWN RISK. SUCH INFORMATION IS PROVIDED ON AN "AS IS" BASIS. QUANTHOUSE® S.A.S. MAKES NO REPRESENTATION, UNDERTAKES NO OBLIGATION, AND PROVIDES NO WARRANTY OF ANY KIND WITH RESPECT TO THE INFORMATION CONTAINED HEREIN, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. IF YOU CHOOSE TO USE SUCH INFORMATION, YOU ARE ACKNOWLEDGING THAT YOU HAVE READ THIS DISCLAIMER, UNDERSTAND IT, AGREE TO ABIDE BY, AND BE BOUND BY, ITS PROVISIONS.

Use of the Information

The information constitutes proprietary material and is either owned by or licensed to QuantHouse®. Further, it is protected by intellectual property rights. No information may be used, reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise) or for any purpose, except as licensed expressly by QuantHouse® S.A.S.

Trademarks

QUANTHOUSE®, the QuantHouse® logo and product names are trademarks of QuantHouse® S.A.S. and QuantHouse® S.A.S. reserves all intellectual property rights with respect to the trademarks. All other trademarks are the trademarks of their respective owners.

Copyright

© Copyright 2004-2014 QuantHouse® S.A.S. All rights reserved.



UPDATE OF THE TSE EQUITIES MARKET DATA STREAM

To reflect the changes caused by the dissemination of new values on the TSE EQUITIES market data stream, S&P Capital IQ Real-Time Solutions 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	18923 – 20140403
Exchanges	TSE EQUITIES
Concerned MICs	XFKA, XNGO, XSAP, XTKS
Internal Source ID	235, 236, 237, 238
Effective Date	2014-04-14
Impact	<ul style="list-style-type: none">• Update of the Quotation Tags• Update of the Quotation Context Tags
Action required	MANDATORY ACTION

2. Functional Description

Effective Monday, **April 14, 2014**, S&P Capital IQ Real-Time Solutions enhances the content of the quotation and quotation context data to accommodate the new information disseminated on the TSE EQUITIES market data stream, as described below:

- [2.1. Changes to the Quotation Data](#)
- [2.2. Changes to the Quotation Context Data.](#)

2.1. Changes to the Quotation Data

S&P Capital IQ Real-Time Solutions **introduces** the quotation tags below to accommodate the information broadcast on the TSE EQUITIES market data stream:

Table 2 Quotation tags added on the TSE EQUITIES market data stream

Tag Name	Numeric ID	Type
ExchangeLastComputedPrice	9371	Float64
MARKET_TSE_BidMarketOrderVolume	15060	Float64
MARKET_TSE_AskMarketOrderVolume	15061	Float64
MARKET_TSE_BidSpecialQuotePrice	15062	Float64
MARKET_TSE_AskSpecialQuotePrice	15063	Float64

Caution

MANDATORY ACTION

Following the introduction of the MARKET_TSE_BidMarketOrderVolume and MARKET_TSE_AskMarketOrderVolume tags, the Market Order Prices (AT_BEST Prices) are no longer provided in the Level1 Market Data, as shown in the example below.

Moreover, only these two tags disseminate the information describing the volume of market orders. However, the MBL Level2 does not change, as the markets orders remain in the first position. Subsequently, the Level1 and the first limit of the MBL Level2 may differ.

Level1 Market Data before 2014-04-14

Bid Qty	Bid Price	Ask Price	Ask Qty
1000	AT_BEST	AT_BEST	500

Level2 Market Data before 2014-04-14

Bid Qty	Bid Price	Ask Price	Ask Qty
1000	AT_BEST	AT_BEST	500
200	920	922	300

Level1 Market Data after 2014-04-14

BidMarketOrderVolume	Bid Qty	Bid Price	Ask Price	Ask Qty	AskMarketOrderVolume
1000	200	920	922	300	500

Level2 Market Data after 2014-04-14

Bid Qty	Bid Price	Ask Price	Ask Qty
1000	AT_BEST	AT_BEST	500
200	920	922	300

Below is an example of the current implementation of the newly added (in green) quotation tags:

```
InstrumentStatusL1
-- 147/1116
    BID: 255      124000
    ASK: 257      30000
    LastPrice      float64{257}
    LastTradeQty   float64{23000}
    DailyHighPrice float64{262}
    DailyLowPrice  float64{253}
    DailyTotalVolumeTraded float64{1173000}
    DailyTotalAssetTraded float64{301571000}
    LastTradePrice float64{257}
    LastTradeTimestamp Timestamp{2014-07-28 06:00:00}
    InternalDailyOpenTimestamp Timestamp{2014-07-28 00:00:00:098}
    InternalDailyCloseTimestamp Timestamp{2014-07-28 06:00:00:507}
    InternalDailyHighTimestamp Timestamp{2014-07-28 00:03:35:973}
    InternalDailyLowTimestamp Timestamp{2014-07-28 01:49:26:726}
    InternalPriceActivityTimestamp Timestamp{2014-07-28 06:00:00:507}
    LowLimitPrice  float64{177}
    HighLimitPrice float64{337}
    TradingStatus  18=NotAvailableForTrading
    RegSHOAction   1=NoPriceTest
    TradingSessionId int8{2}
    SessionTotalOffBookAssetTraded float64{0}
    SessionTotalOffBookVolumeTraded float64{0}
    PriorSessionsTotalAssetTraded float64{197051000}
    PriorSessionsTotalVolumeTraded float64{765000}
    PriorSessionsTotalOffBookAssetTraded float64{0}
    PriorSessionsTotalOffBookVolumeTraded float64{0}
    SessionTotalVolumeTraded float64{408000}
    SessionOpeningPrice float64{254}
    PreviousSessionClosingPrice float64{255}
    SessionHighPrice float64{259}
    SessionLowPrice float64{253}
    SessionVWAPPrice float64{256.1765}
    SessionTotalAssetTraded float64{104520000}
    SessionClosingPrice float64{257}
    DailyOpeningPrice float64{260}
    DailyClosingPrice float64{257}
    PreviousDailyTotalVolumeTraded float64{821000}
    PreviousDailyTotalAssetTraded float64{222141000}
    PreviousDailyClosingPrice float64{268}
    PreviousBusinessDay Timestamp{2014-07-25}
    CurrentBusinessDay Timestamp{2014-07-28}
    PriceActivityMarketTimestamp Timestamp{2014-07-28 06:00:00}
    ExchangeLastComputedPrice float64{265}
    MARKET_TSE_BidMarketOrderVolume float64{407000}
    MARKET_TSE_AskMarketOrderVolume float64{27300}
    MARKET_TSE_BidSpecialQuotePrice float64{253}
    MARKET_TSE_AskSpecialQuotePrice float64{259}
```

2.2. Changes to the Quotation Context Data

S&P Capital IQ Real-Time Solutions **introduces** the quotation context tags below to accommodate the information broadcast on the TSE EQUITIES market data stream:

Table 3 Quotation context tags added on the TSE EQUITIES market data stream

Tag Name	Numeric ID	Type
MARKET_TSE_BidQuoteCondition	16390	Char
MARKET_TSE_AskQuoteCondition	16391	Char
MARKET_TSE_TostnetPriceCode	16392	UInt8
MARKET_TSE_TostnetTransactionFlag	16393	Char

Below is an example of the current implementation of the newly added (in **green**) quotations context tags:

```
"TE (TradeEvent) : MARKET_TIME INSTRUMENT LAST_PRICE TRADE_QTY BID_PRICE BID_QTY ASK_PRICE
ASK_QTY *CONTENT_MASK* *FLAGS*"
"VU (ValuesUpdate) : SERVER_TIME INSTRUMENT VALUES..."
"SI (TradeEvent) *SIGNAL* : SERVER_TIME INSTRUMENT SIGNAL LAST_PRICE"

TE 03:30:00:080 309286170 * * * * * * O
VU 03:30:00:080 309286170 TradingSessionId=2 TradingStatus=17
TE 05:07:39:005 309286170 108.5 1000000 * * * * HL
VU 05:07:39:005 309286170 SessionOpeningPrice=108.5 DailyTotalAssetTraded=1085000
SessionVWAPPrice=108.5
TE 05:07:39:005 309286170 * * 108.5 4000000 * *
MARKET_TSE_BidQuoteCondition=char{1},MARKET_TSE_AskQuoteCondition=char{1}
VU 05:07:39:005 309286170 LastYield=0
SI 06:00:00:496 309286170 CLOSE 108.5
TE 06:00:00:496 309286170 108.5 * * * * * C
TradeCondition=AJ=official_closing_price
VU 06:00:03:161 309286170 TradingStatus=18

***

SI null 309289161 OPEN *
TE null 309289161 * * * * * O
VU null 309289161 TradingStatus=17
TE 00:05:00:000 309289161 5028 100 * * * * HL
VU 00:05:00:000 309289161 DailyOpeningPrice=5028
TE 00:06:00:000 309289161 5023.5 100 * * * * L
TE 00:07:00:000 309289161 5005 1200 * * * * L
TE 00:07:00:000 309289161 5005 100 * * * * L
TE 00:09:00:000 309289161 5031 200 * * * * H
TE 02:39:00:000 309289161 4991.64 14000 * * * * L
MARKET_TSE_TostnetTransactionFlag=char{2}
```

3. QuantFEED® Technical Implementation

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

- [3.1. ExchangeLastComputedPrice](#)
- [3.2. MARKET_TSE_BidMarketOrderVolume](#)

- [3.3. MARKET_TSE_AskMarketOrderVolume](#)
- [3.4. MARKET_TSE_BidSpecialQuotePrice](#)
- [3.5. MARKET_TSE_AskSpecialQuotePrice](#)
- [3.6. MARKET_TSE_BidQuoteCondition](#)
- [3.7. MARKET_TSE_AskQuoteCondition](#)
- [3.8. MARKET_TSE_TostnetPriceCode](#)
- [3.9. MARKET_TSE_TostnetTransactionFlag](#)

3.1. ExchangeLastComputedPrice

The values of the quotation tag **Exchange Last Computed Price** conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Other Values* to indicate the last computed price sent by the exchange:

- 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.

The `ExchangeLastComputedPrice` is available only for certain indices that are eligible for the High Speed Index (during the Continuous Trading phases of the TOPIX / TOPIX Core30 and TOPIX 500).

QuantFEED® implementation of the values currently available for the tag `ExchangeLastComputedPrice` is described in the table below:

Table 4 **ExchangeLastComputedPrice – technical implementation in QuantFEED®**

Component	Value	Description
Tag Name	ExchangeLastComputedPrice	QuantFEED® tag name.
Numeric ID	9371	QuantFEED® unique ID disseminated on S&P Capital IQ Real-Time Solutions 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 value , indicating the last computed price sent by the exchange.

3.2. MARKET_TSE_BidMarketOrderVolume

The values of the quotation tag **MARKET TSE Bid Market Order Volume** conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Other Values* to detail the market order volume on the bid side:

- 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.

During the auction phases, the TSE Standard Flex Feed does not provide any Theoretical Opening or Auction Price, especially when Market orders are available. Moreover, the Market orders are the first to be executed.

QuantFEED® implementation of the values currently available for the tag `MARKET_TSE_BidMarketOrderVolume` is described in the table below:

Table 5 `MARKET_TSE_BidMarketOrderVolume` – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	<code>MARKET_TSE_BidMarketOrderVolume</code>	QuantFEED® tag name.
Numeric ID	15060	QuantFEED® unique ID disseminated on S&P Capital IQ Real-Time Solutions 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 value , detailing the market order volume on the bid side.

3.3. `MARKET_TSE_AskMarketOrderVolume`

The values of the quotation tag `MARKET TSE Ask Market Order Volume` conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Other Values* to detail the market order volume on the ask side:

- in the callback carrying the Level1 event `notifTradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

During the auction phases, the TSE Standard Flex Feed does not provide any Theoretical Opening or Auction Price, especially when Market orders are available. Moreover, the Market orders are the first to be executed.

Following the introduction of the `MARKET_TSE_BidMarketOrderVolume` and `MARKET_TSE_AskMarketOrderVolume` tags, the Market Order Prices (Magical Prices) are no longer provided in the L1. Moreover, only these tags disseminate the information describing the volume of market orders. However, the MBL L2 does not change, as the markets orders remain in the first position. Subsequently, the L1 and the first limit of the MBL L2 may differ.

QuantFEED® implementation of the values currently available for the tag `MARKET_TSE_AskMarketOrderVolume` is described in the table below:

Table 6 `MARKET_TSE_AskMarketOrderVolume` – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	<code>MARKET_TSE_AskMarketOrderVolume</code>	QuantFEED® tag name.
Numeric ID	15061	QuantFEED® unique ID disseminated on S&P Capital IQ Real-Time Solutions 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 value , detailing the market order volume on the ask side.

3.4. `MARKET_TSE_BidSpecialQuotePrice`

The values of the quotation tag `MARKET TSE Bid Special Quote Price` conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Other Values* to detail the special quote price on the bid side:

- 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.

Note A special quote is indicated whenever prices tend to exceed the special quote renewal price intervals. The purpose of a special quote is to prevent major short-term price fluctuations.

Special quotes can be indicated at any time during the trading session, whether before the opening price has been set or during Zaraba trading, if there is any likelihood of inappropriate price fluctuations, for example as a result of a major order imbalance between bids and offers.

Special offer quotes are indicated when the next price is anticipated to be at a price lower than the given appropriate special quote renewal price interval and special bid quotes are indicated when the next price is anticipated to be at a price higher than the special quote renewal price interval.

QuantFEED® implementation of the values currently available for the tag `MARKET_TSE_BidSpecialQuotePrice` is described in the table below:

Table 7 MARKET_TSE_BidSpecialQuotePrice – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	MARKET_TSE_BidSpecialQuotePrice	QuantFEED® tag name.
Numeric ID	15062	QuantFEED® unique ID disseminated on S&P Capital IQ Real-Time Solutions 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 value , detailing the special quote price on the bid side.

3.5. MARKET_TSE_AskSpecialQuotePrice

The values of the quotation tag **MARKET TSE Ask Special Quote Price** conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Other Values* to detail the special quote price on the ask side:

- 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.

Note A special quote is indicated whenever prices tend to exceed the special quote renewal price intervals. The purpose of a special quote is to prevent major short-term price fluctuations.

Special quotes can be indicated at any time during the trading session, whether before the opening price has been set or during Zaraba trading, if there is any likelihood of inappropriate price fluctuations, for example as a result of a major order imbalance between bids and offers.

Special offer quotes are indicated when the next price is anticipated to be at a price lower than the given appropriate special quote renewal price interval and special bid quotes are indicated when the next price is anticipated to be at a price higher than the special quote renewal price interval.

QuantFEED® implementation of the values currently available for the tag **MARKET_TSE_AskSpecialQuotePrice** is described in the table below:

Table 8 MARKET_TSE_AskSpecialQuotePrice – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	MARKET_TSE_AskSpecialQuotePrice	QuantFEED® tag name.
Numeric ID	15063	QuantFEED® unique ID disseminated on S&P Capital IQ Real-Time Solutions 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 value , detailing the special quote price on the ask side.

3.6. MARKET_TSE_BidQuoteCondition

Each time an execution occurs, the values of the quotation context tag **MARKET TSE Bid Quote Condition** conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Context* to detail the quote condition on the bid side:

- 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® implementation of the values currently available for the tag **MARKET_TSE_BidQuoteCondition** is described in the table below:

Table 9 MARKET_TSE_BidQuoteCondition – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	MARKET_TSE_BidQuoteCondition	QuantFEED® tag name.
Numeric ID	16390	QuantFEED® unique ID broadcast on S&P Capital IQ Real-Time Solutions data stream. It is the numeric equivalent of the tag name.
Type	Char	Char data type.
Format	<i>[Exchange Specific Value]</i>	An exchange specific value , detailing the quote condition on the bid side.
Possible Values	0	Quote before Opening
	1	General Quote
	3	Special Quote
	4	Continuous Execution Quote
	7	Special Quote before Trading Halt
	8	Continuous Execution Quote before Trading Halt

3.7. MARKET_TSE_AskQuoteCondition

Each time an execution occurs, the values of the quotation context tag **MARKET TSE Ask Quote Condition** conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Context* to detail the quote condition on the ask side:

- 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® implementation of the values currently available for the tag `MARKET_TSE_AskQuoteCondition` is described in the table below:

Table 10 MARKET_TSE_AskQuoteCondition – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	MARKET_TSE_AskQuoteCondition	QuantFEED® tag name.
Numeric ID	16391	QuantFEED® unique ID broadcast on S&P Capital IQ Real-Time Solutions data stream. It is the numeric equivalent of the tag name.
Type	Char	Char data type.
Format / Possible Values	<i>[Exchange Specific Value]</i>	An exchange specific value , detailing the quote condition on the ask side.
Possible Values	0	Quote before Opening
	1	General Quote
	3	Special Quote
	4	Continuous Execution Quote
	7	Special Quote before Trading Halt
	8	Continuous Execution Quote before Trading Halt

3.8. MARKET_TSE_TostnetPriceCode

Each time an execution occurs, the values of the quotation context tag **MARKET TSE Tostnet Price Code** conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Context* to detail the code of the Tostnet price:

- 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® implementation of the values currently available for the tag `MARKET_TSE_TostnetPriceCode` is described in the table below:

Table 11 MARKET_TSE_TostnetPriceCode – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	MARKET_TSE_TostnetPriceCode	QuantFEED® tag name.
Numeric ID	16392	QuantFEED® unique ID broadcast on S&P Capital IQ Real-Time Solutions data stream. It is the numeric equivalent of the tag name.
Type	UInt8	UInt8 data type.
Format	<i>[Exchange Specific Value]</i>	An exchange specific value , detailing the code of the Tostnet Price.

Table 11 MARKET_TSE_TostnetPriceCode – technical implementation in QuantFEED® (Continued)

Component	Value	Description
Possible Values	<empty>	Default value, not sent.
	01	Previous-day closing price
	05	Previous-day VWAP
	11	Morning-session closing price
	15	Morning-session VWAP
	31	Today's closing price
	25	Afternoon-session VWAP
	35	All-day VWAP

3.9. MARKET_TSE_TostnetTransactionFlag

Each time an execution occurs, the values of the quotation context tag **MARKET TSE Tostnet Transaction Flag** conveyed on the TSE EQUITIES market data stream are disseminated via QuantFEED® data stream in *Context* to identify the flag of the Tostnet transaction:

- 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® implementation of the values currently available for the tag **MARKET_TSE_TostnetTransactionFlag** is described in the table below:

Table 12 MARKET_TSE_TostnetTransactionFlag – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	MARKET_TSE_TostnetTransactionFlag	QuantFEED® tag name.
Numeric ID	16393	QuantFEED® unique ID broadcast on S&P Capital IQ Real-Time Solutions data stream. It is the numeric equivalent of the tag name.
Type	Char	Char data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , identifying the flag of the Tostnet transaction.
Possible Values	<empty>	Ordinary transaction – default value, not sent.
	1	Day transaction
	2	Ordinary transaction (VWAP transaction)
	3	Day transaction (VWAP transaction)

4. Finding the Latest Information

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

- E-mail: rts-support@spcapitaliq.com
- Web: <http://support.quanthouse.com>.