

QuantFEED® Developer's Notice

SWX – Feed Update

Reference n°: 19407 – 20973 – 20140609

Effective as of: 07 July 2014*

Action required from users: Attention Required



* This is the proposed day for the update of the standard version of the feed handler. For dedicated feed handlers, this date may differ. For the actual day when the changes to your custom feed handler take effect, please contact your QuantFEED® project manager.

S&P Capital IQ Real-Time Solutions (QuantHouse®) – QuantFEED®
QuantFEED® Developer's Notice
Reference 19407 – 20973 – 20140609
June 13, 2014

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UPDATE OF THE SWX MARKET DATA STREAM

To reflect the changes caused by the dissemination of new values on the SWX 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	19407 – 20973 – 20140609
Exchanges	SWX
Concerned MICs	XSWX, XVTX, LIQU, XQMH
Internal Source ID	29
Effective Date	2014-07-07*
Impact	<ul style="list-style-type: none">• Update of the Referential Tags• Update of the Quotation Tags
Action required	Attention Required

2. Functional Description

Effective Monday, **July 07^{*}, 2014**, S&P Capital IQ Real-Time Solutions enhances the content of the referential and quotation data to accommodate the new information disseminated on the SWX market data stream, as described below:

- [2.1. Changes to the Referential Data](#)

* This is the proposed day for the update of the standard version of the feed handler. For dedicated feed handlers, this date may differ. For the actual day when the changes to your custom feed handler take effect, please contact your QuantFEED® project manager.

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

2.1. Changes to the Referential Data

S&P Capital IQ Real-Time Solutions [updates](#) the values of the referential tags below to accommodate the information broadcast on the SWX market data stream:

Table 2 Referential tags disseminating updated values on the SWX market data stream

Tag Name	Numeric ID	Type
InternalModificationDate	9401	Timestamp

Below is an example of the current implementation of the updated (in [blue](#)) referential tags:

```
instr # 298/500007 = 625451303
PriceCurrency      string{CHF}
Symbol             string{NOVN}
Issuer             string{Novartis}
Description         string{NOVARTIS N}
SecurityType       string{CS}
FOSMarketId        XVTX
PriceType          uint8{2}
CFICode            string{ESXXR}
RoundLot           float64{1}
MinTradeVol        float64{0}
SecuritySubType    string{Registered Share}
DatedDate          Timestamp{2001-05-07}
SecurityGroup      string{1110}
MarketSegmentID    string{HS}
MarketSegmentDesc  string{Main Market}
InternalCreationDate Timestamp{2014-01-11 09:39:40:368}
InternalModificationDate Timestamp{2014-08-11 00:00:05:623}
InternalSourceId   uint16{29}
InternalAggregationId uint16{29}
LocalCodeStr       string{CH0012005267_CHF}
ISIN               string{CH0012005267}
Telekurs_valor     string{1200526}
PriceIncrement_dynamic_TableId uint32{1900664}
SecurityTradingId  string{3000042}
OperatingMIC       string{XSWX}
SegmentMIC         string{XVTX}
CCP_Eligible       bool{True}
DynamicVariationRange float64{1.5}
MARKET_SWX_IssuerCountry string{CH}
MARKET_SWX_TradingSessionID string{ACoK}
MARKET_SWX_ListingStateCode string{LI}
MARKET_SWX_ListingStateDesc string{Listed}
```

2.2. Changes to the Quotation Data

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

Table 3 Quotation tags added on the SWX market data stream

Tag Name	Numeric ID	Type
InternalDailyClosingPriceType	9155	Char

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

```
InstrumentStatusL1
-- 298/500001
  BID: 2234      21      @5
  ASK: 2236      71      @12
  LastPrice      float64{2234}
  LastTradeQty   float64{4}
  DailyHighPrice float64{2238}
  DailyLowPrice  float64{2226}
  DailyTotalVolumeTraded float64{1221}
  DailyTotalAssetTraded float64{2726018}
  LastTradePrice float64{2234}
  LastTradeTimestamp Timestamp{2014-06-11 09:01:08:463}
  InternalDailyOpenTimestamp Timestamp{2014-06-11 07:01:02:015}
  InternalDailyCloseTimestamp Timestamp{2014-06-10 15:31:51:062}
  InternalDailyHighTimestamp Timestamp{2014-06-11 08:33:06:571}
  InternalDailyLowTimestamp Timestamp{2014-06-11 07:23:04:833}
  InternalPriceActivityTimestamp Timestamp{2014-06-11 09:01:25:006}
  TradingStatus  17=ReadyToTrade
  LastOffBookTradePrice float64{2234}
  LastOffBookTradeQty float64{8}
  LastOffBookTradeTimestamp Timestamp{2014-06-11 08:55:29}
  DailyOpeningPrice float64{2236}
  PreviousDailyTotalVolumeTraded float64{11494}
  PreviousDailyTotalAssetTraded float64{25609367}
  PreviousDailyClosingPrice float64{2232}
  PreviousBusinessDay Timestamp{2014-06-10}
  CurrentBusinessDay Timestamp{2014-06-11}
  DailyTotalOffBookVolumeTraded float64{26}
  DailyTotalOffBookAssetTraded float64{58084}
  InternalDailyClosingPriceType char{a}
  InternalLastAuctionTimestamp Timestamp{2014-06-11 07:00:56:024}
  TradingReferencePrice float64{2232}
  MARKET_SWX_BookCondition int32{3}
  MARKET_SWX_SecurityTradingStatus int32{17}
  MARKET_SWX_TradingSessionSubID string{2}
```

3. QuantFEED® Technical Implementation

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

- [3.1. InternalModificationDate](#)
- [3.2. InternalDailyClosingPriceType](#).

3.1. InternalModificationDate

The values of the referential tag **InternalModificationDate** conveyed on the SWX market data stream are disseminated via QuantFEED® data stream in *Referential* to specify the date when the referential data of an instrument has changed internally.

QuantFEED® implementation of the values available for the tag **InternalModificationDate** is described below:

Table 4 InternalModificationDate – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	InternalModificationDate	QuantFEED® tag name.
Numeric ID	9401	QuantFEED® unique ID disseminated on S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Timestamp	Timestamp data type.
Format / Possible Values	<i>[Internal specific value]</i>	An internal specific value , detailing the date when the referential data of an instrument has changed internally. NOTE: After 2014-07-07, the update mechanism of the tag InternalModificationDate changes. Thus, the timestamp will no longer be updated on a daily basis, unless there is a significant change in the referential data of the instrument.

3.2. InternalDailyClosingPriceType

The values of the quotation tag **InternalDailyClosingPriceType** conveyed on the SWX market data stream are disseminated via QuantFEED® data stream in *Other Values* to indicate the type of the internal daily closing 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 available for the tag **InternalDailyClosingPriceType** is described in the table below (the values disseminated as of 2014-07-07 are highlighted in **green**):

Table 5 InternalDailyClosingPriceType – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	InternalDailyClosingPriceType	QuantFEED® tag name.
Numeric ID	9155	QuantFEED® unique ID disseminated on S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Char	Char data type.
Format	<i>[Internal specific value]</i>	An internal specific value , detailing the type of daily closing price, as described below.

Table 5 InternalDailyClosingPriceType – technical implementation in QuantFEED® (Continued)

Component	Value	Description
Possible Values	0	Undefined
	a	Official Close – Explicit closing price value calculated and distributed by an exchange for the main trading session of a given trading day.
	b	Official Indicative – Exchange has provided an indicative price and marked it as indicative, however no trading activity is observed.
	c	Official Carry Over – Explicit Closing price value from a previous trading day carried forward by the exchange to the given trading day.
	d	Last Price – Final price disseminated by the exchange for the main trading session or dissemination period of a given trading day (for indices).
	e	Last Eligible Price – Execution price of the final trade (subject to trade qualifiers) accepted by the exchange for the main trading session of a given trading day.
	z	Manual – Price disseminated manually (in case of production correction).

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>.