

**S&P Capital IQ Real-Time Solutions**

## **FeedOS™ Developer's Notice**

---

### **ICE LIFFE – Referential Tags Update**

Reference n°: 20141205 – 23597 – 24065

**Effective as of: 17 January 2015\***

**Action required from users: Attention Required**



\* 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  
FeedOS™ Developer's Notice: ICE LIFFE – Referential Tags Update  
Reference 20141205 – 23597 – 24065  
December 30, 2014

**France Offices**

52 Rue de la Victoire  
75009 Paris  
France  
Tel: +33 (0) 1 73 02 32 11

**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.capitaliq.com](http://www.capitaliq.com)

Copyright © 2014 by Standard & Poor's Financial Services LLC, a part of McGraw Hill Financial.

All rights reserved. S&P CAPITAL IQ is a trademark of Standard & Poor's Financial Services LLC. STANDARD & POOR'S, S&P, GLOBAL CREDIT PORTAL and RATINGSDIRECT are registered trademarks of Standard & Poor's Financial Services LLC.

No content (including ratings, credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of Standard & Poor's Financial Services LLC or its affiliates (collectively, S&P). The Content shall not be used for any unlawful or unauthorized purposes. S&P and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively S&P Parties) do not guarantee the accuracy, completeness, timeliness or availability of the Content. S&P Parties are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, for the results obtained from the use of the Content, or for the security or maintenance of any data input by the user. The Content is provided on an "as is" basis. S&P PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall S&P Parties be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Content even if advised of the possibility of such damages.

Credit-related and other analyses, including ratings, and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions. S&P assumes no obligation to update the Content following publication in any form or format. The Content should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. S&P's opinions and analyses do not address the suitability of any security. S&P does not act as a fiduciary or an investment advisor except where registered as such. While S&P has obtained information from sources it believes to be reliable, S&P does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives.

S&P keeps certain activities of its business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain business units of S&P may have information that is not available to other S&P business units. S&P has established policies and procedures to maintain the confidentiality of certain non-public information received in connection with each analytical process.



# UPDATE OF THE REFERENTIAL TAGS ON THE ICE LIFFE MARKET DATA STREAM

To reflect the changes caused by the dissemination of new values on the ICE LIFFE market data stream, S&P Capital IQ Real-Time Solutions has decided to enhance the content of FeedOS.

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. FeedOS Technical Implementation](#)
- [3. Finding the Latest Information.](#)

## 1. Update Summary

Table 1 Current update summary

Notice Reference	20141205 – 23597 – 24065
Exchanges	ICE LIFFE
Concerned MICs	XLIF
Internal Source ID	163, 172, 177, 178
Effective Date	2015-01-17*
Impact	<ul style="list-style-type: none"><li>• Update of the Referential Tags</li><li>• Adjustment of the Trade Prices by Denominator for Option Strategies (UDS)</li></ul>
Action required	Attention Required

## 2. FeedOS Technical Implementation

Effective Monday, **January 12\*** 2014, S&P Capital IQ Real-Time Solutions enhances the referential data and adjusts the trade prices to accommodate the information disseminated on the ICE LIFFE 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 FeedOS™ project manager.

- 2.2. Adjustment of the Trade Prices by Denominator for Option Strategies (UDS).

## 2.1. Changes to the Referential Data

S&P Capital IQ Real-Time Solutions [updates](#) the referential tags below to accommodate the information disseminated on the ICE LIFFE market data stream:

**Table 2** Referential tags disseminating updated values on the ICE LIFFE market data stream

Tag Name	Numeric ID	Type
<a href="#">Factor</a>	228	Float64
<a href="#">ContractMultiplier</a>	231	Float64

### 2.1.1. Factor

The values of the referential tag **Factor** conveyed on the ICE LIFFE market data stream are disseminated via FeedOS data stream in *Referential* to specify the Contract Value Factor by which a price must be adjusted to determine the true nominal value of one futures/options contract.

FeedOS implementation of the tag Factor is described in the table below:

**Table 3** Factor – technical implementation in FeedOS

Component	Value	Description
Tag Name	Factor	FeedOS tag name.
Numeric ID	228	FeedOS unique ID disseminated on the 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>	<p>An <b>exchange specific value</b>, specifying the Contract Value Factor by which a price must be adjusted to determine the true nominal value of one futures/options contract.</p> <p><b>NOTE:</b> The FeedOS tag Factor receives the values disseminated via the exchange tag <code>UnitQuantity</code>. The exchange defines <code>UnitQuantity</code> as "the quantity in unit of measurement per lot. For example, it is 1000 barrels per lot for Brent".</p>

### 2.1.2. ContractMultiplier

The values of the referential tag **ContractMultiplier** conveyed on the ICE LIFFE market data stream are disseminated via FeedOS data stream in *Referential* to specify the amount of underlying asset represented by each derivative contract.

FeedOS implementation of the ContractMultiplier is described in the table below:

**Table 4 ContractMultiplier – technical implementation in FeedOS**

Component	Value	Description
Tag Name	ContractMultiplier	FeedOS tag name.
Numeric ID	231	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Float64	String data type.
Format / Possible values	<i>[Exchange Specific value]</i>	<p>An <b>exchange specific value</b>, specifying the amount of underlying asset represented by each derivative contract.</p> <p><b>NOTE:</b> Before 2015-01-17, the FeedOS tag ContractMultiplier received the values disseminated via the exchange tag UnitQuantity, previously described in <a href="#">Table 3 on page 2</a>. After 2015-01-17, the FeedOS tag ContractMultiplier receives the values disseminated via the exchange tag LotSize. The exchange defines LotSize as “the minimum size of contracts in lots. It is the multiplier to determine the total lots”.</p>

## Referential Data Sample

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

```
instr # 293/433822 = 614899358
  PriceCurrency      string{CHF}
  Symbol             string{C05}
  Description         string{Medium Swiss Confederation Bond Future - ICEU - Mar15}
  SecurityType       string{FUT}
  StdMaturity        string{201503}
  FOSMarketId        XLIF
  Factor             float64{1000}
  ContractMultiplier float64{1000}
  CFICode            string{FFDXXX}
  MinTradeVol        float64{1}
  SecuritySubType     string{Future/Month}
  ProductComplex     string{C05 20150306F}
  InternalCreationDate Timestamp{2014-09-27 01:56:52:021}
  InternalModificationDate Timestamp{2015-02-12 07:42:25:048}
  InternalHideFromLookup bool{True}
  InternalSourceId    uint16{69}
  InternalEntitlementId int32{1175}
  LocalCodeStr        string{5096624}
  PriceIncrement_static float64{0.01}
  MaturityYear        uint16{2015}
  MaturityMonth        uint8{3}
  MaturityDay          uint8{6}
  OperatingMIC         string{IFEU}
  SegmentMIC           string{IFLL}
  MARKET_ICE_ContractSymbol string{C05 FMH0015!}
  MARKET_ICE_OffExchangeIncrementQty float64{1}
  MARKET_ICE_OffExchangeIncrementPrice float64{1}
```

## 2.2. Adjustment of the Trade Prices by Denominator for Option Strategies (UDS)

Before 2015-01-17, the Daily High, Daily Low, Session VWAP, Daily Opening and Daily Closing Prices of the Option Strategies ignored the denominator value, as shown below:

```
"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 11:47:19:329 615127009 * * * * 16500 3@1
TE 11:47:23:039 615127009 16500 3 * * * *
TradeID=1272070,AggressorSide='1'=Buy
VU 11:47:23:039 615127009 DailyTotalOffBookVolumeTraded=0 DailyHighPrice=16500
DailyLowPrice=16500 SessionVWAPPrice=16500
VU 11:47:23:040 615127009 DailyOpeningPrice=16500
```

After 2015-01-17, all the trade prices will be divided by the denominator value, as shown below:

```
"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 11:47:19:329 615127009 * * * * 16.5 3@1
TE 11:47:23:039 615127009 16.5 3 * * * *
TradeID=1272070,AggressorSide='1'=Buy
VU 11:47:23:039 615127009 DailyTotalOffBookVolumeTraded=0 DailyHighPrice=16.5
DailyLowPrice=16.5 SessionVWAPPrice=16.5
VU 11:47:23:040 615127009 DailyOpeningPrice=16.5
```

## 3. 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](mailto:rts-support@spcapitaliq.com)
- Web: <http://support.quanthouse.com>.