S&P CAPITAL IQ
McGRAW HILL FINANCIAL

S&P Capital IQ Real-Time Solutions

FeedOS™ Feed Description

SGX DERIVATIVES

Reference n°: 20150727 – 24707 – 26684 – 27244

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Reference 20150727 – 24707 – 26684 – 27244
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TABLE OF CONTENTS

FEEDOS™ SGX DERIVATIVES FEED DESCRIPTION

As part of the S&P Capital IQ Real-Time Solutions FeedOS™ documentation, this feed description provides you with details about the types of data broadcast on the SGX DERIVATIVES market data stream, their possible values and current FeedOS technical implementation.

The topics this feed description covers include:

1. Referential Data

The following sections describe the characteristics of the referential data on the SGX DERIVATIVES market data stream, in terms of:

1.1. Available Markets and Branches

This section details the list of markets and branches available on the SGX DERIVATIVES market data stream:

1.1.1. Markets

The SGX DERIVATIVES market data stream broadcasts informations about the following markets:

Table 1 List of markets available on the SGX DERIVATIVES market data stream

FeedOS Market ID	Market
XSIM	Singapore Exchange Derivatives Clearing Limited

The following example shows the list of markets available on the SGX DERIVATIVES market data stream and their IDs, returned by the command `dumps`:

```
MARKETS
market # 227    CC=SG/SINGAPORE/SINGAPORE,DESCR=SINGAPORE EXCHANGE DERIVATIVES CLEARING
LIMITED, WEB=www.sgx.com
    MIC = XSIM
    TimeZone = Asia/Singapore
    Country = SG
    NbMaxInstruments = 2000000
```

1.1.2. Branches

The example below shows the list of branches available on the SGX DERIVATIVES market data stream, returned by the command `dumps`. Each branch displays the following details: `FOSMarketID`, `SecurityType`, `CFICode` and `Quantity` (of instruments):

```
BRANCHES
    { XSIM CS   TXXXXX } qty: 62
    { XSIM FUT  FCXPSX } qty: 167
    { XSIM FUT  FFXXSX } qty: 515
    { XSIM FUT  FXXCXX } qty: 655
    { XSIM FUT  FXXXXX } qty: 9
    { XSIM MLEG MMXXXX } qty: 14312
    { XSIM OPT  OCAFXS } qty: 642
    { XSIM OPT  OCEFXS } qty: 4319
    { XSIM OPT  OCEICX } qty: 845
    { XSIM OPT  OCEXCX } qty: 863
    { XSIM OPT  OCEXXX } qty: 393
    { XSIM OPT  OPAFXS } qty: 642
    { XSIM OPT  OPEFXS } qty: 4333
    { XSIM OPT  OPEICX } qty: 844
    { XSIM OPT  OPEXCX } qty: 839
    { XSIM OPT  OPEXXX } qty: 393
```

1.2. Types of Instruments

The following sections describe the instruments available on the SGX DERIVATIVES market data stream, according to their type:

- 1.2.4. Options.

1.2.1. Common Stocks

The sample below illustrates the details of a common stock:

```
instr # 227/1047420 = 477100924
    PriceCurrency               string{USD}
    Symbol                      string{CCF}
    Description                 string{SGX TSI CN Prem Coking Coal Fut CCF}
    SecurityType                string{CS}
    FOSMarketId                 XSIM
    ContractMultiplier          float64{1}
    CFICode                     string{TXXXXX}
    RoundLot                    float64{1}
    InternalCreationDate        Timestamp{2014-07-28 22:00:05:218}
    InternalModificationDate    Timestamp{2015-06-27 11:50:09:802}
    InternalSourceId            uint16{159}
    InternalEntitlementId       int32{1092}
    LocalCodeStr                string{CCF}
    PriceIncrement_static       float64{0.01}
    OperatingMIC                string{XSES}
    SegmentMIC                  string{XSIM}
```

1.2.2. Futures

The sample below illustrates the details of a future:

```
instr # 227/1037305 = 477090809
    PriceCurrency               string{USD}
    Symbol                      string{HRFX15}
    Description                 string{SGX HRC CFR ASEAN Steel Futures HRFX15}
    SecurityType                string{FUT}
    FOSMarketId                 XSIM
    ContractMultiplier          float64{20}
    CFICode                     string{FXXCXX}
    RoundLot                    float64{1}
    InternalCreationDate        Timestamp{2014-02-09 22:00:06:020}
    InternalModificationDate    Timestamp{2015-06-27 11:50:09:803}
    InternalSourceId            uint16{159}
    InternalEntitlementId       int32{1092}
    LocalCodeStr                string{HRFX15}
    PriceIncrement_static       float64{0.01}
    MaturityYear                uint16{2015}
    MaturityMonth               uint8{11}
    MaturityDay                 uint8{30}
    OperatingMIC                string{XSES}
    SegmentMIC                  string{XSIM}
```

1.2.3. Multilegs

The sample below illustrates the details of a multileg:

```
instr # 227/1050461 = 477103965
    PriceCurrency               string{USD}
    Symbol                      string{HRFZ15-HRFQ16}
    SecurityType                string{MLEG}
    FOSMarketId                 XSIM
    CFICode                     string{MMXXXX}
    NbLegs                      uint8{2}
    RoundLot                    float64{1}
    InternalCreationDate        Timestamp{2014-08-15 18:30:47:031}
    InternalModificationDate    Timestamp{2015-05-14 22:00:20:724}
    InternalSourceId            uint16{159}
    InternalEntitlementId       int32{1092}
    LocalCodeStr                string{HRFZ15-HRFQ16}
    PriceIncrement_static       float64{0.01}
    MaturityYear                uint16{2015}
    MaturityMonth               uint8{12}
    MaturityDay                 uint8{31}
    OperatingMIC                string{XSES}
    SegmentMIC                  string{XSIM}
    LegFOSInstrumentCode        uint32{477090810}
    LegFOSInstrumentCode_1      uint32{477103943}
    LegRatioQty                 float64{1}
    LegRatioQty_1               float64{1}
    LegFIXSide                  '1'=Buy
    LegFIXSide_1                '2'=Sell
```

1.2.4. Options

The sample below illustrates the details of an option:

```
instr # 227/1044706 = 477098210
    PriceCurrency               string{USD}
    Symbol                      string{INH17_P8800}
    Description                 string{SGX CNX NIFTY INDEX PUT INH17_P8800}
    SecurityType                string{OPT}
    StrikePrice                 float64{88}
    FOSMarketId                 XSIM
    ContractMultiplier          float64{2}
    CFICode                     string{OPEICX}
    RoundLot                    float64{1}
    InternalCreationDate        Timestamp{2014-06-06 10:45:05:339}
    InternalModificationDate    Timestamp{2015-06-27 11:50:19:065}
    InternalSourceId            uint16{159}
    InternalEntitlementId       int32{1092}
    LocalCodeStr                string{INH17_P8800}
    PriceIncrement_static       float64{0.1}
    MaturityYear                uint16{2017}
    MaturityMonth               uint8{3}
    MaturityDay                 uint8{30}
    OperatingMIC                string{XSES}
    SegmentMIC                  string{XSIM}
```

1.3. Specific Referential Tags

The following sections describe specific referential tags available on the SGX DERIVATIVES market data stream:

1.3.1. ContractMultiplier

The values of the referential tag **ContractMultiplier** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Referential* to specify the ratio or multiply factor to convert from "nominal" units (such as contracts) to total units (such as shares).

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

Table 2 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`	Float64 data type.
Format / Possible Values	***`[Exchange Specific Value]`***	An ***exchange specific value***, specifying the ratio or multiply factor to convert from "nominal" units (such as contracts) to total units (such as shares).

1.3.2. OperatingMIC

The values of the referential tag **Operating MIC** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Referential* to specify the parent MIC.

FeedOS implementation of the tag `OperatingMIC` is described in the table below:

Table 3 OperatingMIC – technical implementation in FeedOS

Component	Value	Description
Tag Name	`OperatingMIC`	FeedOS tag name.
Numeric ID	`9533`	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	`String`	String data type.
Format	***`[Exchange Specific Value]`***	An ***exchange specific value***, specifying the parent MIC.
Possible Values	`XSES`	Parent MIC for all SGX DERIVATIVES branches.

1.3.3. SegmentMIC

The values of the referential tag **SegmentMIC** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Referential* to specify the child MIC.

FeedOS implementation of the values currently available for the tag `SegmentMIC` is described in the table below:

Table 4 SegmentMIC – technical implementation in FeedOS

Component	Value	Description
Tag Name	`SegmentMIC`	FeedOS tag name.
Numeric ID	`9534`	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	`String`	String data type.
Format	*`[Exchange Specific Value]`*	An ***exchange specific value***, specifying the child MIC.
Possible Values	`XSIM`	Child MIC for all SGX DERIVATIVES branches.

2. Quotation Data

The following sections describe the characteristics of the quotation data on the SGX DERIVATIVES market data stream, in terms of:

2.1. Quotation Values

The example below shows the possible values of an instrument on the SGX DERIVATIVES market data stream:

```
InstrumentStatusL1
-- 227/1054139
        BID: 0  0       *NO ORDER*
        ASK: 0  0       *NO ORDER*
        LastPrice                       float64{39.785}
        LastTradeQty                    float64{1}
        DailyHighPrice                  float64{39.785}
        DailyLowPrice                   float64{39.77}
        DailyTotalVolumeTraded          float64{2}
        DailyTotalAssetTraded           float64{79.555}
        LastTradePrice                  float64{39.785}
        LastTradeTimestamp              Timestamp{null}
        InternalDailyOpenTimestamp      Timestamp{2015-07-20 00:30:00:042}
        InternalDailyCloseTimestamp     Timestamp{2015-07-20 14:25:00:062}
        InternalDailyHighTimestamp      Timestamp{2015-07-20 03:10:35:512}
        InternalDailyLowTimestamp       Timestamp{2015-07-20 02:07:25:555}
        InternalPriceActivityTimestamp  Timestamp{2015-07-20 14:25:00:062}
        TradingStatus                   18=NotAvailableForTrading
        TradingSessionId                int8{1}
        SessionTotalVolumeTraded        float64{2}
        SessionOpeningPrice             float64{39.77}
        SessionHighPrice                float64{39.785}
        SessionLowPrice                 float64{39.77}
        SessionTotalAssetTraded         float64{79.555}
        SessionClosingPrice             float64{39.785}
        DailyOpeningPrice               float64{39.77}
        PreviousBusinessDay             Timestamp{2015-07-17}
        CurrentBusinessDay              Timestamp{2015-07-20}
        PreviousDailySettlementPrice    float64{39.83}
        InternalDailyBusinessDayTimestamp       Timestamp{2015-07-20 00:30:00:042}
        SettlementPriceDate             Timestamp{2015-07-17}
        SettlementPriceType             char{a}
        MARKET_OMNET_OMX_TradingStateName       string{CLOSE}
```

For more details about the fields and tags available in quotation data type, and their possible values, see *FeedOS Quotation Tags Guide*.

2.2. Trading Status

Each time a modification of the trading status occurs, the values of the quotation tag **Trading Status** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Other Values*:

- 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.

FeedOS implementation of the tag `TradingStatus` is described in the following table:

Table 5 TradingStatus – technical implementation in FeedOS

Component	Value	Description
Tag Name	`TradingStatus`	FeedOS tag name.
Numeric ID	9100	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	`Enum`	Enum data type.
Format	*`[Exchange Specific Value]`*	An ***exchange specific value***, detailing the characteristics of the trading status.
Possible Values	2	Trading Halt
	5	Price Indication
	17	Ready to Trade
	18	Not Available for Trading
	21	Pre-Open

2.3. Specific Quotation Tags

The following sections describe additional, specific quotation tags available on the SGX DERIVATIVES market data stream:

- 2.3.1. Trade Conditions
- 2.3.2. Other Values.

2.3.1. Trade Conditions

The following subsections describe the trade conditions on the SGX DERIVATIVES market data stream:

- 2.3.1.1. TradeCondition.

2.3.1.1. TradeCondition

Each time a trade occurs, the values of the quotation tag **TradeCondition** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Context*:

- 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.

FeedOS implementation of the tag `TradeCondition` is described in the table below:

Table 6 TradeCondition – technical implementation in FeedOS

Component	Value	Description
Tag Name	`TradeCondition`	FeedOS tag name.
Numeric ID	`277`	FeedOS unique ID broadcast on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	`String`	String data type.
Format	*`[Exchange Specific Value]`*	An ***exchange specific value***, detailing the conditions of a trade.
Possible Values	`MultilegToMultilegTrade (4)`	Combo-to-combo trade.
	`ImpliedTrade (1)`	Combo-to-outright trade.

2.3.2. Other Values

The following sections describe the other values available on the SGX DERIVATIVES market data stream:

2.3.2.1. OpenInterest

The values of the quotation tag **Open Interest** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Other Values* to indicate the amount of derivative contracts that have not been settled in the immediately previous time period for a specific underlying security:

- 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.

FeedOS implementation of the tag `OpenInterest` is described in the table below:

Table 7 OpenInterest – technical implementation in FeedOS

Component	Value	Description
Tag Name	`OpenInterest`	FeedOS tag name.
Numeric ID	`9150`	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	*`[Exchange Specific Value]`*	An ***exchange specific value***, detailing the amount of derivative contracts that have not been settled in the immediately previous time period for a specific underlying security.

2.3.2.2. SettlementPriceDate

The values of the quotation tag **SettlementPriceDate** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Other Values* to indicate the date of the settlement 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.

FeedOS implementation of the values currently available for the tag `SettlementPriceDate` is described in the table below:

Table 8 SettlementPriceDate – technical implementation in FeedOS

Component	Value	Description
Tag Name	`SettlementPriceDate`	FeedOS tag name.
Numeric ID	`9380`	FeedOS 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	*`[Exchange Specific Value]`*	An ***exchange specific value***, indicating the date of the settlement price.

2.3.2.3. SettlementPriceType

The values of the quotation tag **SettlementPriceType** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Other Values* to indicate the type of settlement 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.

FeedOS implementation of the tag `SettlementPriceType` is described in the following table (currently disseminated values are in `green`):

Table 9 SettlementPriceType – technical implementation in FeedOS

Component	Value	Description
Tag Name	`SettlementPriceType`	FeedOS tag name.
Numeric ID	`9383`	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	`Char`	Timestamp data type.
Format	*`[Exchange Specific Value]`*	An ***exchange specific value***, indicating the type of settlement price.
Possible Values	`a`	**Official** – Explicit Official Daily Settlement Price, as distributed by the exchange.
	b	**Preliminary** – Settlement Price subject to change until the Official Daily Settlement Price is published.
	z	**Manual** – Settlement Price disseminated manually (in case of a correction).
	0	**Undefined**

2.3.2.4. MARKET_OMNET_OMX_TradingStateName

Each time a modification of the trading state occurs, the values of the quotation tag **MARKET_OMNET_OMX_TradingStateName** conveyed on the SGX DERIVATIVES market data stream are disseminated via FeedOS data stream in *Other Values*:

- 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.

FeedOS implementation of the tag `MARKET_OMNET_OMX_TradingStateName` is described in the table below:

Table 10 MARKET_OMNET_OMX_TradingStateName – technical implementation in FeedOS

Component	Value	Description	
Tag Name	`MARKET_OMNET_OMX_TradingStateName`	FeedOS tag name.	
Numeric ID	`14800`	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	`String`	String data type.	
Format	*`[Exchange Specific Value]`*	An ***exchange specific value***, detailing the current state of the trade, as described below.	
Possible Values	`Start of Day (SOD)`	FIXSecurityTradingStatus_NotAvailableForTrading	This is the state which the Exchange will start with daily and it will not be visible to the Order Management Systems. During this state, the Exchange will be closed and order actions such as order entry, modification, cancellation are not allowed.
	`ORDER_CXL`	FIXSecurityTradingStatus_NotAvailableForTrading	This is a non-matching phase where cancellation of GTC orders will be allowed. Order entry and modification are not allowed.
	`PRE-OPEN`	FIXSecurityTradingStatus_PreOpen	This is a non-matching phase where orders actions such as order entry on a FIFO basis, modification and cancellation will be allowed. The only allowed order types are Limit, Market-On-Open (MOO), Market-to-Limit (MTL), Stop orders and Session State Orders (SSO). The validity of the orders placed could be Day, GTC and Fill-And-Kill (FAK).
	`NON-CXL`	FIXSecurityTradingStatus_PriceIndication	This is a non-matching phase where order entry for Limit, Market-On-Open (MOO), Market-to-Limit (MTL), Stop and Session State Order (SSO) order types are allowed. The validity of the orders placed could be Day, GTC and Fill-And-Kill (FAK). Modification and Cancellation of orders are disallowed.

Table 10 MARKET_OMNET_OMX_TradingStateName – technical implementation in FeedOS (Continued)

Component	Value	Description	
Possible Values	OPEN and OPEN_M	FIXSecurityTradingStatus_ ReadyToTrade	This is a matching phase and all 'matchable' orders will be matched on a FIFO basis. Orders actions such as order entry on a FIFO basis, modification and cancellation are allowed. The acceptable order types are Limit, Market-to-Limit (MTL), Market, Stop Order and Session State Order (SSO). The validity of the orders placed could be Day, GTC, Fill-Or-Kill (FOK) and Fill-And-Kill (FAK).
	OPN_MP	FIXSecurityTradingStatus_ ReadyToTrade	This is a matching phase and all 'matchable' orders will be matched based on the Price-point-maker and Pro-Rata allocation algorithm. Orders actions such as order entry, modification and cancellation are allowed. The acceptable order types are Limit, Market-to-Limit (MTL), Market, Stop Order and Session State Order (SSO). The validity of the orders placed could be Day, GTC, Fill-Or-Kill (FOK) and Fill-And-Kill (FAK).
	BREAK	FIXSecurityTradingStatus_ TradingHalt	This session denotes a session break where only order cancellation is allowed.
	PRE-CLS	FIXSecurityTradingStatus_ PriceIndication	This is a non-matching phase where orders actions such as order entry on a FIFO basis, modification and cancellation will be allowed. Only Limit, Market-On-Close (MOC), Market-to-Limit (MTL) and Session State Order (SSO) may be placed during this state. The validity of the orders placed could be Day, GTC and Fill-and-Kill. Stop orders will remain active during the pre-close session state but cannot be triggered by changes to bid, ask or last.
	SURVEILLANCE INTERVENTION (SURV_INT)	FIXSecurityTradingStatus_ PriceIndication	This session denotes an end to the trading session. Orders can still be cancelled by the users during this state.
	TRADE_RECONCILIATION (TRADE-RECON)	FIXSecurityTradingStatus_ NotAvailableForTrading	During this session, certain OMX API message could be sent to query for missing trades.
	REMOVE_DAY_ORDER	FIXSecurityTradingStatus_ NotAvailableForTrading	Day orders that still reside in the order book will be purged during this session.
	RESET_PRICE_INFO	FIXSecurityTradingStatus_ NotAvailableForTrading	During this session, trade statistics such as High Price, Low Price, Volume and etc. is cleared.

Table 10 MARKET_OMNET_OMX_TradingStateName – technical implementation in FeedOS (Continued)

Component	Value	Description	
Possible Values	SERIES_GENERATION	FIXSecurityTradingStatus_ NotAvailableForTrading	New contract series will be generated during this session.
	CHANGE_CLEAR_DAY	FIXSecurityTradingStatus_ NotAvailableForTrading	During this session, the clearing date is rolled over to the next business date.
	CLS_SIGNAL	FIXSecurityTradingStatus_ NotAvailableForTrading	Used internally by SGX.
	CLOSE	FIXSecurityTradingStatus_ NotAvailableForTrading	This session indicates the end to the trading day for the specific contract.

2.4. MBL and MBO Data*

The MBL data relies on the MBO. The MBL book has a 10-level depth.

3. Closing Price

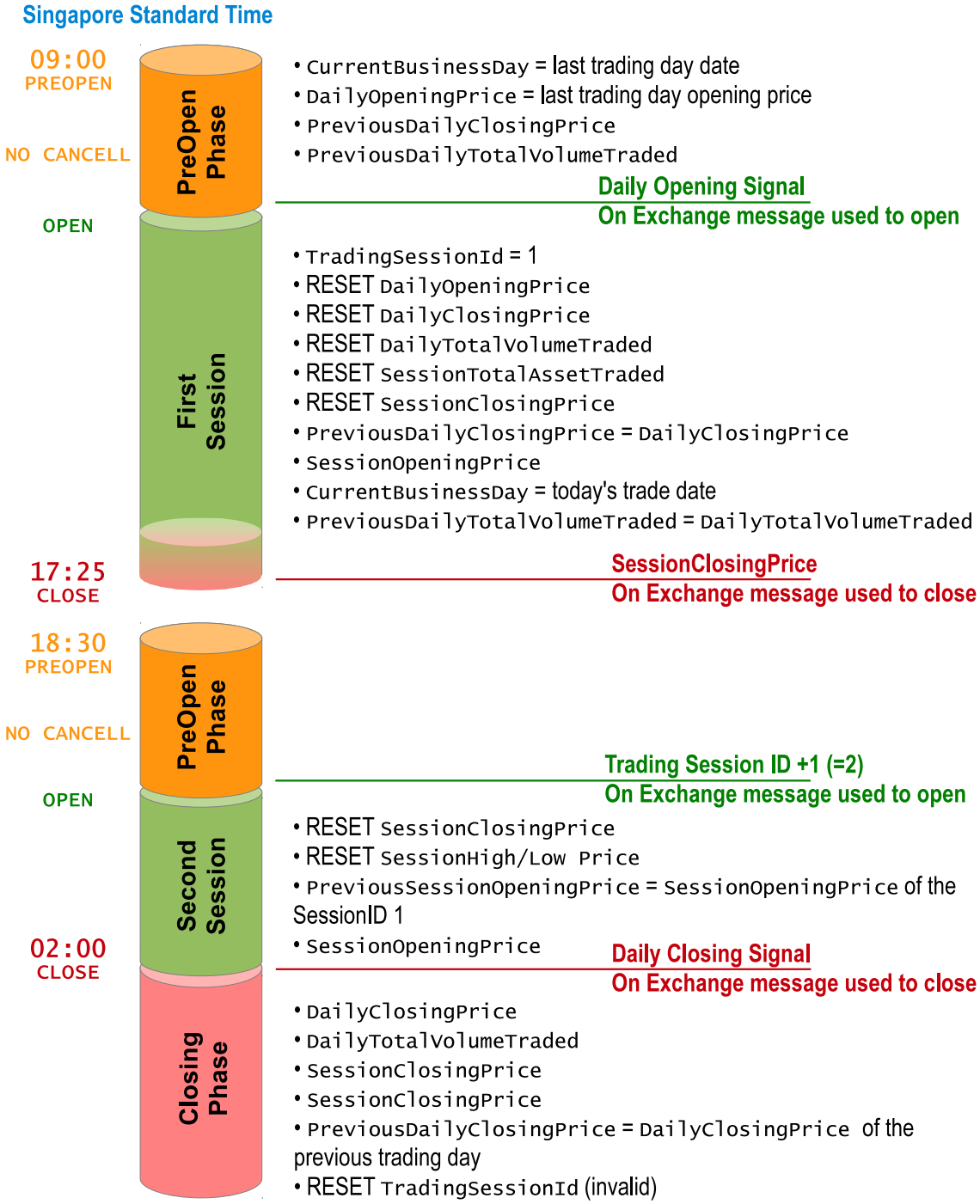
The closing price is the last trade price upon close. The settlement price is handled when provided by the market.

4. Multi-Session Kinematics

The following diagram describes the main trading phases and the update mechanism of the tags on the SGX DERIVATIVES market data stream:

* The MBL and MBO data may not be included by default in your Level1 data subscription, but sold separately. Depending on your contract, additional terms, conditions and fees may apply. For more details about the subscription options, please contact S&P Capital IQ Real-Time Solutions.

Figure 1 Example of tags update mechanism for an MSCI Indonesia Index Future on the SGX DERIVATIVES market data stream in Singapore Standard Time



5. Special Behavior

The following section describe the special behavior of SGX DERIVATIVES market data stream:

5.1. Microsecond Timestamp Precision on the Level1 Market Data

The server timestamps displays microsecond units on the Level1 Market Data, as shown in the example below (highlighted in green):

```
“TE (TradeEvent) : MARKET_TIME INSTRUMENT LAST_PRICE TRADE_QTY BID_PRICE BID_QTY ASK_PRICE
ASK_QTY *CONTENT_MASK* *FLAGS*"

TE   2015-05-13 07:55:53:884.595   477060599   62.2   10000   *   *   *   *
TradeCondition=2,TradeID=65578451188318436:0,AggressorSide='1'=Buy
TE   2015-05-13 07:55:53:884.598   477060599   62.2   10000   *   *   *   *
TradeCondition=2,TradeID=65578451188318437:0,AggressorSide='1'=Buy
TE   2015-05-13 07:55:54:359.234   477060599   62.2   10000   *   *   *   *
TradeCondition=2,TradeID=65578451188318438:0,AggressorSide='2'=Sell
```

6. Finding the Latest Information

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

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