



Technical Notice

09-013

TO: BOX Participants
FROM: Participant Connectivity Coordinator
SUBJECT: Option Symbology Initiative (OSI) Phase 1 Conversion Test - October 10, 2009
DATE: October 8, 2009

This notice is related to BOX Technical Notices 09-004 and 09-011 and is intended for BOX Participants taking part in the Option Symbology Initiative Phase 1 Conversion Test on October 10, 2009.

The Phase 1 Conversion Test simulates the February 12, 2010 OSI implementation. All testing will be in an environment absent OPRA codes. Equity strike prices will be converted from fractional representation to decimal representation. Although the test simulates the activities that will take place on February 12, 2010 the testing effort will not utilize that specific date.

BOX will take part in the Phase 1 Conversion Test with other member firms as communicated by the OCC. Additional details can be found on the OCC website at http://www.optionsclearing.com/initiatives/symbology/osi_testing.jsp.

1. Expectations for the Phase 1 Conversion Test

BOX's objective is to support Participants in simulating end-to-end processes in a Symbology compliant environment. BOX encourages Participants to validate their applicable BOX functionality supporting FIX, SAIL, ATR and TMS.

The BOX Symbology changes include the following:

| Interfaces | External Impact | Production View on February 12, 2010 |
|-----------------------|-------------------------------------|--|
| Current FIX Formats | No Changes | Decommissioned February 12, 2010 |
| OSI FIX Formats | New Tag #205, add expiry day | New field is mandatory |
| SAIL | No Changes | N/A |
| Current ATR (ver.1.7) | No Changes | Decommissioned February 12, 2010 |
| OSI ATR (ver.1.9) | Enlarge expiry year | New protocol is mandatory |
| | Add Strike price fraction indicator | |
| TMS | No Changes | Replaced by OSI TMS on February 12, 2010 |
| OSI TMS | No Changes | Mandatory Use of the new version |

BOX will not certify the results of the Phase 1 Conversion Test.

2. Test Registration and Preparation

BOX requests that Participants email the BOXMOC to inform BOX of planned Phase 1 Conversion Test involvement at BOXMOC@bostonoptions.com . BOX will also review the registration list provided from the OCC.

BOX strongly encourages all FIX and SAIL Participants, service vendors and data vendors to certify their systems for Symbology compliance prior to the Scripted Industry Test events. Certification is available through December 15, 2009. To certify with BOX, please contact Robert Petro via the BOX Symbology email box: boxosi@bostonoptions.com .

3. Phase 1 Conversion Testing Activities

For OSI weekend testing, BOX will operate on a coordinated basis with the OCC and other exchanges. BOX encourages Participants to operate as if it were a normal business day during the testing. The actual test date, Saturday, October 10, 2010 will be used as the trade date.

Activities supported by BOX include: Preopening, Continuous Trading and Post Trading.

- **Preopening (7:00 AM ET – 9:00 AM ET)**
 - Connection validation

- **Continuous Trading (9:00 AM ET – 2:00 PM ET)**
 - Quotes will be delivered to OPRA
 - Interacting with orders
 - There will be sufficient liquidity in identified symbols to provide executions.
 - Interacting with the OCC
 - Trades executed during the test will be delivered to OCC for processing and subsequent adjustments by clearing firms.

- **Post Trading (2:00 PM ET – 3:00 PM ET)**
 - Reports

4. Environment Settings and Configurations

BOX will support OSI testing using the BOX production environment with a mirrored copy of the database.

It will be necessary to connect to the BOX production environment via the production network and using production credentials, regardless of the BOX Participant's environment.

5. Supporting Resources

The BOX Market Operation Center (MOC) and Support Services will be in place to support the OSI testing. If issues arise during testing, please contact the MOC at (866) 768-8845 or by e-mail at BOXMOC@bostonoptions.com .

BOX will also join in the OCC Conference Bridge.

6. Data

BOX will support a subset of the data defined in the latest OCC [Exchange Test Scripts](#) document. The OCC data set may be found at the following link:

http://www.optionsclearing.com/initiatives/symbology/osi_testing.jsp

The BOX subset consists of the following:

| BOX Support | Class | Subclass | Underlying Symbol | Option Symbol (Pre-Consolidation) | Option Symbol (POST-Consolidation) | Year | Month | Day | Call/Put | Strike |
|-------------|--------|------------|-------------------|-----------------------------------|------------------------------------|------|-------|-----|----------|--------|
| Yes | Equity | Standard | F | F | F | 2010 | 1 | 16 | Call | 22.5 |
| Yes | Equity | Leap | VZ | VBU | VZ | 2011 | 1 | 22 | Put | 45 |
| No | Equity | Corp. Act. | VZ | WLR | VZ1 | 2010 | 1 | 16 | Put | 45 |
| Yes | Equity | Standard | GLD | GLD | GLD | 2010 | 3 | 20 | Call | 100 |
| Yes | Equity | Standard | GLD | GLD | GLD | 2010 | 3 | 20 | Put | 100 |
| Yes | Equity | Leap | GLD | OQA | GLD | 2011 | 1 | 22 | Call | 115 |
| Yes | Equity | Leap | GLD | OQA | GLD | 2011 | 1 | 22 | Put | 115 |
| Yes | Equity | Wrap | GLD | GVJ | GLD | 2010 | 3 | 20 | Call | 140 |
| Yes | Equity | Wrap | GLD | GVJ | GLD | 2010 | 3 | 20 | Put | 140 |
| Yes | Equity | Quarterly | XLE | GQQ | XLE | 2010 | 3 | 31 | Call | 59 |
| Yes | Equity | Quarterly | XLE | GQQ | XLE | 2010 | 3 | 31 | Put | 59 |
| No | Equity | Corp. Act. | STD | WVR | STD1 | 2010 | 1 | 16 | Put | 12.5 |
| Yes | Equity | | GLD | GLD | GLD | 2010 | 3 | 20 | Put | 83 |
| Yes | Equity | | GLD | GLD | GLD | 2010 | 3 | 20 | Put | 81 |
| Yes | Equity | | GLD | GLD | GLD | 2010 | 3 | 20 | Put | 81 |
| Yes | Equity | | GLD | GLD | GLD | 2010 | 3 | 20 | Call | 97 |
| Yes | Equity | | GLD | GLD | GLD | 2010 | 3 | 20 | Call | 97 |
| Yes | Equity | | GLD | GVJ | GLD | 2010 | 3 | 20 | Put | 150 |
| Yes | Equity | | GLD | GVJ | GLD | 2010 | 3 | 20 | Put | 150 |
| Yes | Equity | Wrap | INTC | NQ | INTC | 2010 | 1 | 16 | Put | 21 |
| No | Equity | Corp. Act. | ACAS | DJK | ACAS1 | 2010 | 1 | 16 | Put | 7.5 |
| Yes | Equity | Standard | CMCSA | CCQ | CMCSA | 2010 | 1 | 16 | Call | 11 |
| No | Equity | Corp. Act. | SPWRB | KVY | SPWR1 | 2010 | 1 | 16 | Put | 15 |
| No | Equity | Suffix | RDSA | RDS | RDSA | | | | | |
| Yes | Equity | Suffix | NWSA | NSW, OXV | NWSA | | | | | |
| No | INDEX | (Binary) | BSZ | BSK | BSZ | | | | | |
| No | INDEX | Standard | SPX | SXB | SPX | | | | | |
| No | INDEX | Weekly | SPX | JXA | SPX | | | | | |
| No | INDEX | Quarterly | SPX | QSE | SPX | | | | | |
| No | Equity | FLEX | F | 2F 12 | 2F | | | | | |
| No | Equity | FLEX | GLD | 2GLD01 | 1GLD | | | | | |
| Yes | Equity | Standard | IBM | IBM | IBM | 2010 | 1 | 16 | C/P | 125 |

| Test Classes / Series | | | | | | | |
|-----------------------|-----------|------------|---------------------------|----------------------------|------------|----------|--------|
| Class | Subclass | Underlying | Opt Sym pre-consolidation | Opt Sym post-consolidation | Expiration | Call/Put | Strike |
| Equity | Standard | P | P | P | 4/17/2010 | C/P | 127.5 |
| Equity | Standard | PAP | PAP | PAP | 6/19/2010 | C/P | 7.5 |
| Equity | Quarterly | PAPE | PAM | PAPE | 3/31/2010 | C/P | 65 |
| Index | Standard | INK | INK | INK | 2/20/2010 | C/P | 325 |
| EqyNonSt | Corp Act. | PAPER | PAN | PAPX1 | 3/20/2010 | C/P | 72.875 |
| Equity | Standard | P | P | P | 10/17/2009 | C/P | 127.5 |
| Equity | Standard | PAP | PAP | PAP | 10/17/2009 | C/P | 8.5 |
| Index | Standard | INK | INK | INK | 10/17/2009 | C/P | 326 |
| EqyNonSt | Corp Act. | PAPER | PAN | PAPX1 | 10/17/2009 | C/P | 73.875 |

7. Post Testing

Following the completion of the OSI Weekend testing event, BOX will work with the OCC to confirm the BOX Participant list and support Participants as needed.

If not already completed, BOX encourages all Participants to perform an independent certification with BOX by contacting Robert Petro via the BOX Symbology email box: boxosi@bostonoptions.com.

Contact

Please contact the Market Operations Center at (866) 768-8845 or by e-mail at BOXMOC@bostonoptions.com if you require assistance or any additional information regarding this Technical Notice.

Thank you,
BOX Participant Connectivity Coordinator