



## Technical Notice

**10-001**

**TO:** BOX Participants

**FROM:** Participant Connectivity Coordinator

**SUBJECT:** Option Symbology Initiative (OSI) Phase II Consolidation Test – January 9, 2010

**DATE:** January 5, 2010

**This notice is related to BOX Technical Notices 09-004, 09-011, 09-013, 09-018 and 09-021. It is intended for BOX Participants taking part in the Options Symbology Initiative Phase II Consolidation Test on January 9, 2010.**

The Phase II Consolidation Test simulates the consolidation process, including subsequent trading and clearing using post-consolidated Symbology. Non-consolidated Symbology will also be provided to allow Participants to test with an environment simulating the February 26 to May 14, 2009 timeframe where some, but not all, symbols will be consolidated.

BOX will take part in the Phase II Consolidation Test with other member firms as communicated by the OCC. Please refer to the OCC website <http://www.optionsclearing.com/initiatives/symbology/osi-testing.jsp> for additional details.

### 1. Expectations for the Phase II Consolidation 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 II Consolidation Test.

## 2. Test Registration and Preparation

BOX requests that Participants inform the BOX Market Operations Center (MOC) via e-mail of planned Phase II Consolidation Test involvement at [boxmoc@bostonoptions.com](mailto: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. Certification is available through January 30, 2010. To certify with BOX, please contact Robert Petro via the BOX Symbology email box: [boxosi@bostonoptions.com](mailto:boxosi@bostonoptions.com).

## 3. Phase II Consolidation Testing Activities

BOX will operate on a coordinated basis with the OCC and other exchanges for OSI weekend testing. BOX encourages Participants to operate as if it were a normal business day during the testing. The actual test date, Saturday, January 9, 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 and trades will be disseminated to OPRA
  - Interacting with orders
    - There will be sufficient liquidity in identified symbols, including test 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 Operations 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 [boxmoc@bostonoptions.com](mailto: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:

### Production Classes- All Exchanges

Test Case #	Underlying Symbol	Subclass	Option Symbol (Pre-Consol)	Option Symbol (POST-Consol)	Year	Month	Day	Call/ Put	Strike	Price Executed At	Series Quote	BOX Support	BOX Qty
1001	F	Standard	F	F	2010	01	16	Call	7.5	\$0.04	Market Bid/Ask .00 - .04	Yes	1000
2001	VZ	Leap	VBU	VZ	2011	01	22	Put	22.5	\$16.55	Market Bid/Ask 16.55-16.90	Yes	1000
<b>2002</b>	<b>VZ</b>	<b>Corp. Act.</b>	<b>WLR</b>	<b>VZ1</b>	<b>2010</b>	<b>01</b>	<b>16</b>	<b>Put</b>	<b>45</b>	<b>\$14.80</b>	<b>Market Bid/Ask 14.80 - 15.20</b>	<b>No</b>	<b>1000</b>
3001	GLD	Standard	GLD	GLD	2010	03	20	Call	100	\$7.40	Market Bid/Ask 7.20 - 7.40	Yes	1000
3002	GLD	Standard	GLD	GLD	2010	03	20	Put	100	\$9.50	Market Bid/Ask 9.50-9.80	Yes	1000
3003	GLD	Leap	OQA	GLD	2011	01	22	Call	115	\$9.30	Market Bid/Ask 9.10 - 9.30	Yes	1000
3004	GLD	Leap	OQA	GLD	2011	01	22	Put	115	\$25.30	Market Bid/Ask 25.30 - 25.90	Yes	1000
3005	GLD	Wrap	GVJ	GLD	2010	03	20	Call	140		Market Bid/Ask 1.50 - 1.70	Yes	1000
3006	GLD	Wrap	GVJ	GLD	2010	03	20	Put	140	\$44.20	Market Bid/Ask 43.70 - 44.20	Yes	1000
3007	XLE	Quarterly	GQQ	XLE	2010	03	31	Call	59	\$2.30	Market Bid/Ask 2.11 - 2.30	Yes	1000
3008	XLE	Quarterly	GQQ	XLE	2010	03	31	Put	59	\$9.25	Market Bid/Ask 9.25-9.65	Yes	1000
<b>3009</b>	<b>STD</b>	<b>Corp. Act.</b>	<b>WVR</b>	<b>STD1</b>	<b>2010</b>	<b>01</b>	<b>16</b>	<b>Put</b>	<b>12.5</b>	<b>\$7.30</b>	<b>Market Bid/Ask 7.30 - 7.90</b>	<b>No</b>	<b>1000</b>

3010	GLD	Standard	GLD	GLD	2010	03	20	Put	81		Market Bid/Ask 1.55 - 1.70	Yes	1000
3011	GLD	Standard	GLD	GLD	2010	03	20	Put	81	N/A	Market Bid/Ask 1.55 - 1.70	Yes	1000
3012	GLD	Standard	GLD	GLD	2010	03	20	Put	81	\$1.70	Market Bid/Ask 1.55 - 1.70	Yes	1000
3013	GLD	Standard	GLD	GLD	2010	03	20	Call	97		Market Bid/Ask 8.30 - 8.60	Yes	1000
3014	GLD	Standard	GLD	GLD	2010	03	20	Call	97		Market Bid/Ask 8.30 - 8.60	Yes	1000
3015	GLD	Wrap	GVJ	GLD	2010	03	20	Put	150	\$53.80	Market Bid/Ask 53.20-53.80	Yes	1000
3016	GLD	Wrap	GVJ	GLD	2010	03	20	Put	150		Market Bid/Ask 53.20-53.80	Yes	1000
4001	INTC	Wrap	NQ	INTC	2010	01	16	Put	21	\$1.28	Market Bid/Ask 1.24 - 1.28	Yes	1000
<b>4002</b>	<b>ACAS</b>	<b>Corp. Act.</b>	<b>DJK</b>	<b>ACAS1</b>	<b>2010</b>	<b>01</b>	<b>16</b>	<b>Put</b>	<b>7.5</b>	<b>\$5.20</b>	<b>Market Bid/Ask 5.20 - 5.50</b>	<b>No</b>	<b>1000</b>
5001	CMCSA	Standard	CCQ	CMCSA	2010	01	16	Call	11	\$5.70	Market Bid/Ask 5.50 - 5.70	Yes	1000
<b>5002</b>	<b>SPWRB</b>	<b>Corp. Act.</b>	<b>KVY</b>	<b>SPWR1</b>	<b>2010</b>	<b>01</b>	<b>16</b>	<b>Put</b>	<b>15</b>	<b>\$1.35</b>	<b>Market Bid/Ask 1.35 - 1.55</b>	<b>No</b>	<b>1000</b>

## Production Classes- BOX Specific

Test Case #	Underlying Symbol	Order Action	Qty	Option Symbol (Pre-Consol)	Option Symbol (POST-Consol)	Year	Month	Day	Call/ Put	Strike	Price Executed At	Series Quote	BOX SUPPORT	BOX QTY
6001	NDX	Buy	100	NDK	NDX	2010	06	19	Call	675	\$3.50	Market Bid/Ask .25 - 3.50	Yes	1000
6002	MNX	Sell	110	MNX	MNX	2010	06	19	Call	137.500	\$33.35	Market Bid/Ask 33.35 - 34.15	Yes	1000
7101	PAPER	Sell	25	PAN	PAPX1	2010	03	20	Put	72.875	\$0.60	Market Bid/Ask .60 - .70	Yes	1000
N/A	RIMM	Open	Open	RUP		2010	01	16	Call	40.000		All Strikes	Yes	1000
N/A	AAPL	Open	Open	APV		2010	01	16	Put	175.000		All Strikes	Yes	1000

## Test Classes

- All Supported by BOX
- BOX Qty = 1000 for All Test Classes

Jan 2010	Class	Subclass	Underlying	Opt Sym pre-consol	Opt Sym post-consol	Expiration	Call/ Put	Strike	Comment	Prod Class To Model After	Closing Price Use For Test
Consol	Equity	Standard	P	P	P	4/17/2010	C/P	127.5	All Test Dates	DIA	\$94.45
Consol	Equity	Standard	P	P	P	1/16/2010	C/P	127.5	January Test	DIA	\$94.45
Consol	Equity	Standard	PAT	PAT	PAT	6/19/2010	C/P	7.5	All Test Dates	AA	\$12.18
Consol	Equity	Standard	PAT	PAT	PAT	1/16/2010	C/P	11.5	January Test	AA	\$12.18
Consol	Equity	Quarterly	PAPE	PAM	PAPE	3/31/2010	C/P	65	All Test Dates	GD	\$60.48
Consol	Equity	Leap	PAPE	N/A	PAPE	3/9/2011	C/P	65	January Test	GD	
Consol	Equity	Wrap	PAPE	N/A	PAPE	3/31/2010	C/P	165	January Test	GD	
Consol	EqyNonSt	Corp Act.	PAPER	PAN	PAPX1	3/20/2010	C/P	72.88	All Test Dates	V	\$70.36
Consol	EqyNonSt	Corp Act.	PAPER	PAN	PAPX1	1/16/2010	C/P	76.88	January Test	V	\$70.36
Consol	Index	FLEX	INK	2INK09	2INK	3/9/2011	C/P	317	All Test Dates	OEW	\$472.17
Consol	Index	Standard	INK	INK	INK	2/20/2010	C/P	325	All Test Dates	XNZ	\$450.20
Consol	Index	Standard	INK	INK	INK	1/16/2010	C/P	329	January Test	XNZ	\$450.20
Consol	Index	Weekly	INK	INJ	INK	2/12/2010	C/P	275	All Test Dates	POW	\$262.50

### Corporate Action: 3 For 2 Corporate Action

Current Option Symbols: 3 for 2	Post Option Symbols	BOX Support	BOX Qty
JNJ	JNZ	Yes	1000
VJN	JVX	Yes	1000
WJN	WJG	Yes	1000
<b>2JNJ</b>	<b>2JNZ</b>	<b>No</b>	<b>N/A</b>

### Corporate Action: 2 For 1 Corporate Action

Current Option Symbols: 2 for 1	Post Option Symbols	BOX Support	BOX Qty
HAR	Unchanged	Yes	1000
HUZ	Unchanged	Yes	1000
<b>2HAR</b>	<b>Unchanged</b>	<b>No</b>	<b>N/A</b>

### Accelerated Expiration on Non-consolidated Class (Executed During All Scheduled Tests)

Action : Accelerated Expiration to Test Month	Current Symbols	BOX Support	BOX Qty
Sequenom, Inc. (SQNM)	QJQ	Yes	1000
Sequenom, Inc. (SQNM)	QPJ	Yes	1000
Sequenom, Inc. (SQNM)	XUW	Yes	1000

## 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](mailto:boxosi@bostonoptions.com).

### Contact

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

Thank you,  
BOX Participant Connectivity Coordinator