Updated Connection IP Addresses and Symbol Ranges for TOPO and PHLX Orders Data Feeds

PHLX will offer connectivity verification and test data transmissions for the above rebalanced symbols for the TOPO and PHLX Orders data feeds on the following dates:

**Connectivity verification:**

- Starting **Thursday, December 3rd, 2009** and continuing during business hours on each subsequent trading day through **Friday December 11th, 2009** firms can verify transmission capability of the new TOPO and TOPO Plus Orders source addresses and ports by verifying the receipt of heartbeats.

**Test data transmissions:**

- On **Saturday, December 5th, 2009**, and **Saturday, December 12th, 2009**, participating firms will receive test data transmissions for symbols at the boundaries of the new distribution ranges. The December 12th, 2009 testing will coincide with the OSI Symbology Test.
- The option symbol (and associated underlying) to be used on these test dates will be as follows:

**A – D (Ring1)**

- OPRA Symbol=QZNAX Root=QZN Strike=125 Exp Month=1 Exp Day=16 Exp Year=2010 Call/Put=C Underlying=AMZN
- OPRA Symbol=DLYLC Root=DLY Strike=15 Exp Month=12 Exp Day=19 Exp Year=2009 Call/Put=C Underlying=DELL

**E – J (Ring2)**

- OPRA Symbol=QXBLC Root=QXB Strike=15 Exp Month=12 Exp Day=19 Exp Year=2009 Call/Put=C Underlying=EBAY
- OPRA Symbol=JBXLB Root=JBX Strike=10 Exp Month=12 Exp Day=19 Exp Year=2009 Call/Put=C Underlying=JACK

**K – R (Ring3)**

- OPRA Symbol=KEYXH Root=KEY Strike=11 Exp Month=12 Exp Day=19 Exp Year=2009 Call/Put=P Underlying=KEY
- OPRA Symbol=NJUML Root=NJU Strike=160 Exp Month=1 Exp Day=16 Exp Year=2010 Call/Put=P Underlying=RIMM

**S – Z (Ring4)**

- OPRA Symbol=CYYXF Root=CYY Strike=110 Exp Month=12 Exp Day=18 Exp Year=2010 Call/Put=P Underlying=SPY
- OPRA Symbol=ZUOOV Root=ZUO Strike=12.50 Exp Month=3 Exp Day=20 Exp Year=2010 Call/Put=P Underlying=ZRAN