**Notice of proposed change pursuant to the Payment, Clearing, and Settlement Act of 2010**

Section 806(e)(1) * 

Section 806(e)(2) * 

Security-Based Swap Submission pursuant to the Securities Exchange Act of 1934

Section 3C(b)(2) * 

Exhibit 2 Sent As Paper Document 

Exhibit 3 Sent As Paper Document 

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**Description**

Provide a brief description of the action (limit 250 characters, required when Initial is checked *).

A proposal to adopt new order type protections, Butterfly and Box Spread protections, for Complex Order strategy trades.

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**Contact Information**

Provide the name, telephone number, and e-mail address of the person on the staff of the self-regulatory organization prepared to respond to questions and comments on the action.

**First Name** * Angela 

**Last Name** * Dunn 

**Title** * Principal Associate General Counsel 

**E-mail** * angela.dunn@nasdaq.com 

**Telephone** * (215) 496-5692 

**Fax** *

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**Signature**

Pursuant to the requirements of the Securities Exchange Act of 1934,

has duly caused this filing to be signed on its behalf by the undersigned thereunto duly authorized.

(TITLE *)

**Date** 01/30/2018 

**By** Edward S. Knight 

**NOTE:** Clicking the button at right will digitally sign and lock this form. A digital signature is as legally binding as a physical signature, and once signed, this form cannot be changed.

edward.knight@nasdaq.com
If the self-regulatory organization is amending only part of the text of a lengthy proposed rule change, it may, with the Commission's permission, file only those portions of the text of the proposed rule change in which changes are being made if the filing (i.e., partial amendment) is clearly understandable on its face. Such partial amendment shall be clearly identified and marked to show deletions and additions.

Partial Amendment

Add Remove View
1. **Text of the Proposed Rule Change**

   (a) Nasdaq PHLX LLC (“Phlx” or “Exchange”), pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 (“Act”)\(^1\) and Rule 19b-4 thereunder,\(^2\) is filing with the Securities and Exchange Commission (“SEC” or “Commission”) a proposal to adopt new order type protections, Butterfly and Box Spread protections, for Complex Order\(^3\) strategy trades.

   A notice of the proposed rule change for publication in the Federal Register is at Exhibit 1 and the text of the amended Exchange Rule is at Exhibit 5.

   (b) Not applicable.

   (c) Not applicable.

2. **Procedures of the Self-Regulatory Organization**

   The proposed rule change was approved by the Board of Directors of the Exchange on January 22, 2018. No other action is necessary for the filing of the rule change.

   Questions and comments on the proposed rule change may be directed to:

   Angela Saccomandi Dunn  
   Principal Associate General Counsel  
   Nasdaq, Inc.  
   215-496-5692.

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\(^3\) A Complex Order is an order involving the simultaneous purchase and/or sale of two or more different options series in the same underlying security, priced as a net debit or credit based on the relative prices of the individual components, for the same account, for the purpose of executing a particular investment strategy. See Phlx Rule 1098(a)(i).
3. **Self-Regulatory Organization’s Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change**

   a. **Purpose**

   The purpose of the proposed rule change is to adopt Complex Order protections for butterfly and box spreads, which are Complex Order strategies. Today, Phlx members may submit butterfly and box spreads into the Phlx System. Phlx proposes to define a butterfly spread as a three legged Complex Order with certain characteristics.\(^4\) The Exchange is proposing to reject butterfly spreads which are outside of certain parameters to avoid potentially receiving executions at prices outside of the minimum and maximum possible intrinsic value of the spread. Additionally, Phlx proposes to define a box spread as a four legged Complex Order with certain characteristics.\(^5\) The Exchange is proposing to reject box spreads which are outside of certain parameters to avoid potentially receiving executions at prices outside of the minimum and maximum possible intrinsic value of the spread. Today, the Exchange offers similar order protection features for Complex Orders such as Strategy Price Protection\(^6\) and Acceptable Complex Execution\(^7\) to avoid erroneous trades. Each protection will be discussed in more detail below.

   **Butterfly Spread Protection**

   As noted above, the Exchange proposes to adopt a Butterfly Spread Protection. A

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\(^4\) This strategy utilizes a combination of either all calls or all puts of the same expiration date in the same underlying to limit risk.

\(^5\) This strategy utilizes a combination of put/call pairs of options with the same expiration date in the same underlying to limit risk.

\(^6\) See Phlx Rule 1098(g).

\(^7\) See Phlx Rule 1098(h)(i).
butterfly spread is a three legged Complex Order with the following: (1) two legs to buy (sell) the same number of calls (puts); (2) one leg to sell (buy) twice the number of calls (puts) with a strike price at mid-point of the two legs to buy (sell); (3) all legs have the same expiration; and (4) each leg strike price is equidistant from the next sequential strike price. With this protection, a Complex Order, including auction and auction responses, that is priced higher than the Maximum Value (defined below) or lower than the Minimum Value (defined below) will be cancelled. A Complex Market Order will be accepted, but will be restricted from trading at a price higher than the Maximum Value or lower than the Minimum Value.

The initial Maximum Value shall be the distance between the leg with the mid-point strike price and either of the outer leg strike prices. The Maximum Value Buffer is the lesser of a configurable absolute dollar value or percentage of the initial Maximum Value set by the Exchange and announced via a notice to members. The Maximum Value is calculated by adding the initial Maximum Value and Maximum Value Buffer.

The initial Minimum Value shall be zero. The Minimum Value Buffer is a configurable absolute dollar value set by the Exchange and announced via a notice to members. The Minimum Value is calculated by subtracting the Minimum Value Buffer from the initial Minimum Value of zero.

The Butterfly Spread Protection would apply throughout the trading day, including pre-market, during the Opening Process and during Halts. Below is an example of the application of this protection.

Example

Assume the following Complex Order legs for a butterfly spread:
1. Buy 1 NDX 6960 Jan 26 Call (33.70 x 34.60)
2. Sell 2 NDX 6970 Jan 26 Calls (27.00 x 27.90)
3. Buy 1 NDX 6980 Jan 26 Call (28.40 x 29.50)

The cIBBO is 6.30 x 10.10

Assume both maximum and minimum buffers are 0

Final Minimum Value = 0

Final Maximum Value = 10

The incoming order to buy spread defined above for 10.10 will be accepted and cancelled.

Box Spread Protection

As noted above, the Exchange proposes to adopt a Box Spread Protection. A box spread is a four legged Complex Order with the following: (1) one pair of legs with the same strike price with one leg to buy a call (put) and one leg to sell a put (call); (2) a second pair of legs with a different strike price from the pair described in (1) with one leg to sell a call (put) and one leg to buy a put (call); (3) all legs have the same expiration; and (4) all legs have equal volume. With this protection, a Complex Order, including auction and auction responses that is priced higher than the Maximum Value or lower than the Minimum Value will be cancelled. A Complex Market Order will be accepted but will be restricted from trading at a price higher than the Maximum Value or lower than the Minimum Value.

The initial Maximum Value shall be the distance between the strike prices of each pair of leg strike prices. The Maximum Value Buffer is the lesser of a configurable absolute dollar value or percentage of the initial Maximum value set by the Exchange and
announced via an Options Trader Alert. The Maximum Value is calculated by adding the initial Maximum Value and Maximum Value Buffer. The initial Minimum Value spread shall be zero. The Minimum Value Buffer is a configurable absolute dollar value set by the Exchange and announced via an Options Trader Alert. The Minimum Value is calculated by subtracting the Minimum Value Buffer from the initial Minimum Value of zero.

The Box Spread Protection would apply throughout the trading day, including pre-market, during the Opening Process and during Halts. Below is an example of the application of this protection.

**Example**

Assume the following Complex Order pairs for a box spread:

1. **Pair A:**
   a. Buy 1 NDX 6960 Jan 26 Call (30.80 x 34.05)
   b. Sell 1 NDX 6960 Jan 26 Put (33.50 x 36.00)

2. **Pair B**
   a. Sell 1 NDX 6970 Jan 26 Call (27.50 x 29.00)
   b. Buy 1 NDX 6970 Jan 26 Put (36.40 x 37.05)

The cIBBO: 2.20 x 10.10

Assume both maximum and minimum buffers are 0

Final Minimum Value = 0

Final Maximum Value = 10

The incoming order to buy spread defined above for 10.10 will be accepted and cancelled.
Implementation

The Exchange would implement these new protections no later than August 30, 2018. The Exchange would notify members of the exact implementation date by issuing an Options Trader Alert.

b. Statutory Basis

The Exchange believes that its proposal is consistent with Section 6(b) of the Act, in general, and furthers the objectives of Section 6(b)(5) of the Act, in particular, in that it is designed to promote just and equitable principles of trade, to remove impediments to and perfect the mechanism of a free and open market and a national market system, and, in general to protect investors and the public interest, by offering protections for certain Complex Orders to encourage price continuity, which should, in turn, protect investors and the public interest by reducing executions occurring at dislocated prices. Further, the Exchange believes that its proposal will mitigate risks to market participants. Specifically, Phlx believes that the change, which is responsive to member input, will facilitate transactions in securities and perfect the mechanism of a free and open market by providing its members with additional functionality that will assist them with managing risk by checking each Complex Order that is either a butterfly or box spread against certain parameters described within the filing before accepting the Complex Orders into the order book.

The Exchange believes that the parameters described herein, including parameters which will be configured by the Exchange, will protect members against sudden,

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unanticipated volatility in individual options, and serve to preserve an orderly market in a transparent and uniform manner, enhance the price-discovery process, increase overall market confidence, and promote fair and orderly markets and the protection of investors.

4. **Self-Regulatory Organization’s Statement on Burden on Competition**

   The Exchange does not believe that the proposed rule change will impose any burden on competition not necessary or appropriate in furtherance of the purposes of the Act. Specifically, the proposal does not impose an intra-market burden on competition, because it will apply to all Complex Orders which are either butterfly or box spreads entered by any Phlx member. Further, the proposal not impose an undue burden on inter-market competition, because of the vigorous competition for Complex Order flow among the options exchanges. The Exchange competes with many other options exchanges which offer Complex Orders. In this highly competitive market, market participants can easily and readily direct order flow to competing venues.

5. **Self-Regulatory Organization’s Statement on Comments on the Proposed Rule Change Received from Members, Participants, or Others**

   No written comments were either solicited or received.

6. **Extension of Time Period for Commission Action**

   The Exchange does not consent to an extension of the time period for Commission action.

7. **Basis for Summary Effectiveness Pursuant to Section 19(b)(3) or for Accelerated Effectiveness Pursuant to Section 19(b)(2)**

   Not applicable.

8. **Proposed Rule Change Based on Rules of Another Self-Regulatory Organization or of the Commission**

   Not applicable.
9. **Security-Based Swap Submissions Filed Pursuant to Section 3C of the Act**
   
   Not applicable.

10. **Advance Notices Filed Pursuant to Section 806(e) of the Payment, Clearing and Settlement Supervision Act**

   Not applicable.

11. **Exhibits**

    1. Notice of Proposed Rule Change for publication in the *Federal Register*.
    
    5. Text of the proposed rule change.
Self-Regulatory Organizations; Nasdaq PHLX LLC; Notice of Filing of Proposed Rule Change to Adopt New Order Type Protections, Butterfly and Box Spread Protections, for Complex Order Strategy Trades

Pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 (“Act”)\(^1\), and Rule 19b-4 thereunder,\(^2\) notice is hereby given that on January 30, 2018, Nasdaq PHLX LLC (“Phlx” or “Exchange”) filed with the Securities and Exchange Commission (“SEC” or “Commission”) the proposed rule change as described in Items I, II, and III, below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

I. **Self-Regulatory Organization’s Statement of the Terms of Substance of the Proposed Rule Change**

The Exchange proposes to adopt new order type protections, Butterfly and Box Spread protections, for Complex Order\(^3\) strategy trades.


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\(^3\) A Complex Order is an order involving the simultaneous purchase and/or sale of two or more different options series in the same underlying security, priced as a net debit or credit based on the relative prices of the individual components, for the same account, for the purpose of executing a particular investment strategy. See Phlx Rule 1098(a)(i).
II. Self-Regulatory Organization’s Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change

In its filing with the Commission, the Exchange included statements concerning the purpose of and basis for the proposed rule change and discussed any comments it received on the proposed rule change. The text of these statements may be examined at the places specified in Item IV below. The Exchange has prepared summaries, set forth in sections A, B, and C below, of the most significant aspects of such statements.

A. Self-Regulatory Organization’s Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change

1. Purpose

The purpose of the proposed rule change is to adopt Complex Order protections for butterfly and box spreads, which are Complex Order strategies. Today, Phlx members may submit butterfly and box spreads into the Phlx System. Phlx proposes to define a butterfly spread as a three legged Complex Order with certain characteristics.4 The Exchange is proposing to reject butterfly spreads which are outside of certain parameters to avoid potentially receiving executions at prices outside of the minimum and maximum possible intrinsic value of the spread. Additionally, Phlx proposes to define a box spread as a four legged Complex Order with certain characteristics.5 The Exchange is proposing to reject box spreads which are outside of certain parameters to avoid potentially receiving executions at prices outside of the minimum and maximum possible intrinsic value of the spread. Today, the Exchange offers similar order

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4 This strategy utilizes a combination of either all calls or all puts of the same expiration date in the same underlying to limit risk.

5 This strategy utilizes a combination of put/call pairs of options with the same expiration date in the same underlying to limit risk.
protection features for Complex Orders such as Strategy Price Protection\(^6\) and Acceptable Complex Execution\(^7\) to avoid erroneous trades. Each protection will be discussed in more detail below.

**Butterfly Spread Protection**

As noted above, the Exchange proposes to adopt a Butterfly Spread Protection. A butterfly spread is a three legged Complex Order with the following: (1) two legs to buy (sell) the same number of calls (puts); (2) one leg to sell (buy) twice the number of calls (puts) with a strike price at mid-point of the two legs to buy (sell); (3) all legs have the same expiration; and (4) each leg strike price is equidistant from the next sequential strike price. With this protection, a Complex Order, including auction and auction responses, that is priced higher than the Maximum Value (defined below) or lower than the Minimum Value (defined below) will be cancelled. A Complex Market Order will be accepted, but will be restricted from trading at a price higher than the Maximum Value or lower than the Minimum Value.

The initial Maximum Value shall be the distance between the leg with the mid-point strike price and either of the outer leg strike prices. The Maximum Value Buffer is the lesser of a configurable absolute dollar value or percentage of the initial Maximum Value set by the Exchange and announced via a notice to members. The Maximum Value is calculated by adding the initial Maximum Value and Maximum Value Buffer.

The initial Minimum Value shall be zero. The Minimum Value Buffer is a configurable absolute dollar value set by the Exchange and announced via a notice to members.

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\(^6\) See Phlx Rule 1098(g).

\(^7\) See Phlx Rule 1098(h)(i).
members. The Minimum Value is calculated by subtracting the Minimum Value Buffer from the initial Minimum Value of zero.

The Butterfly Spread Protection would apply throughout the trading day, including pre-market, during the Opening Process and during Halts. Below is an example of the application of this protection.

Example

Assume the following Complex Order legs for a butterfly spread:

1. Buy 1 NDX 6960 Jan 26 Call (33.70 x 34.60)
2. Sell 2 NDX 6970 Jan 26 Calls (27.00 x 27.90)
3. Buy 1 NDX 6980 Jan 26 Call (28.40 x 29.50)

The cIBBO is 6.30 x 10.10

Assume both maximum and minimum buffers are 0

Final Minimum Value = 0
Final Maximum Value = 10

The incoming order to buy spread defined above for 10.10 will be accepted and cancelled.

Box Spread Protection

As noted above, the Exchange proposes to adopt a Box Spread Protection. A box spread is a four legged Complex Order with the following: (1) one pair of legs with the same strike price with one leg to buy a call (put) and one leg to sell a put (call); (2) a second pair of legs with a different strike price from the pair described in (1) with one leg to sell a call (put) and one leg to buy a put (call); (3) all legs have the same expiration; and (4) all legs have equal volume. With this protection, a Complex Order, including
auction and auction responses that is priced higher than the Maximum Value or lower than the Minimum Value will be cancelled. A Complex Market Order will be accepted but will be restricted from trading at a price higher than the Maximum Value or lower than the Minimum Value.

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Assume the following Complex Order pairs for a box spread:

1. Pair A:
   a. Buy 1 NDX 6960 Jan 26 Call (30.80 x 34.05)
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2. Pair B
   a. Sell 1 NDX 6970 Jan 26 Call (27.50 x 29.00)
b. Buy 1 NDX 6970 Jan 26 Put (36.40 x 37.05)

The cIBBO: 2.20 x 10.10

Assume both maximum and minimum buffers are 0

Final Minimum Value = 0

Final Maximum Value = 10

The incoming order to buy spread defined above for 10.10 will be accepted and cancelled.

**Implementation**

The Exchange would implement these new protections no later than August 30, 2018. The Exchange would notify members of the exact implementation date by issuing an Options Trader Alert.

2. **Statutory Basis**

The Exchange believes that its proposal is consistent with Section 6(b) of the Act, in general, and furthers the objectives of Section 6(b)(5) of the Act, in particular, in that it is designed to promote just and equitable principles of trade, to remove impediments to and perfect the mechanism of a free and open market and a national market system, and, in general to protect investors and the public interest, by offering protections for certain Complex Orders to encourage price continuity, which should, in turn, protect investors and the public interest by reducing executions occurring at dislocated prices. Further, the Exchange believes that its proposal will mitigate risks to market participants. Specifically, Phlx believes that the change, which is responsive to

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member input, will facilitate transactions in securities and perfect the mechanism of a
free and open market by providing its members with additional functionality that will
assist them with managing risk by checking each Complex Order that is either a butterfly
or box spread against certain parameters described within the filing before accepting the
Complex Orders into the order book.

The Exchange believes that the parameters described herein, including parameters
which will be configured by the Exchange, will protect members against sudden,
unanticipated volatility in individual options, and serve to preserve an orderly market in a
transparent and uniform manner, enhance the price-discovery process, increase overall
market confidence, and promote fair and orderly markets and the protection of investors.

B. Self-Regulatory Organization’s Statement on Burden on Competition

The Exchange does not believe that the proposed rule change will impose any
burden on competition not necessary or appropriate in furtherance of the purposes of the
Act. Specifically, the proposal does not impose an intra-market burden on competition,
because it will apply to all Complex Orders which are either butterfly or box spreads
entered by any Phlx member. Further, the proposal not impose an undue burden on inter-
market competition, because of the vigorous competition for Complex Order flow among
the options exchanges. The Exchange competes with many other options exchanges
which offer Complex Orders. In this highly competitive market, market participants can
easily and readily direct order flow to competing venues.

C. Self-Regulatory Organization’s Statement on Comments on the Proposed
Rule Change Received from Members, Participants, or Others

No written comments were either solicited or received.
III. Date of Effectiveness of the Proposed Rule Change and Timing for Commission Action

Within 45 days of the date of publication of this notice in the Federal Register or within such longer period (i) as the Commission may designate up to 90 days of such date if it finds such longer period to be appropriate and publishes its reasons for so finding or (ii) as to which the Exchange consents, the Commission shall: (a) by order approve or disapprove such proposed rule change, or (b) institute proceedings to determine whether the proposed rule change should be disapproved.

IV. Solicitation of Comments

Interested persons are invited to submit written data, views, and arguments concerning the foregoing, including whether the proposed rule change is consistent with the Act. Comments may be submitted by any of the following methods:

Electronic comments:

- Use the Commission’s Internet comment form (http://www.sec.gov/rules/sro.shtml); or
- Send an e-mail to rule-comments@sec.gov. Please include File Number SR-Phlx-2018-14 on the subject line.

Paper comments:

- Send paper comments in triplicate to Secretary, Securities and Exchange Commission, 100 F Street, NE, Washington, DC 20549-1090.

All submissions should refer to File Number SR-Phlx-2018-14. This file number should be included on the subject line if e-mail is used. To help the Commission process and review your comments more efficiently, please use only one method. The

Copies of the submission, all subsequent amendments, all written statements with respect to the proposed rule change that are filed with the Commission, and all written communications relating to the proposed rule change between the Commission and any person, other than those that may be withheld from the public in accordance with the provisions of 5 U.S.C. 552, will be available for website viewing and printing in the Commission’s Public Reference Room, 100 F Street, NE, Washington, DC 20549, on official business days between the hours of 10:00 a.m. and 3:00 p.m. Copies of the filing also will be available for inspection and copying at the principal office of the Exchange.

All comments received will be posted without change; the Commission does not edit personal identifying information from submissions. You should submit only information that you wish to make available publicly.

All submissions should refer to File Number SR-Phlx-2018-14 and should be submitted on or before [insert date 21 days from publication in the Federal Register].

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.¹⁰

Eduardo A. Aleman
Assistant Secretary

Nasdaq PHLX Rules

Rule 1098. Complex Orders on the System

(a) – (h) No change.

(i) Butterfly Spread Protection. The Butterfly Spread Protection will apply to a butterfly spread. A butterfly spread is a three legged Complex Order with the following: (1) two legs to buy (sell) the same number of calls (puts); (2) one leg to sell (buy) twice the number of calls (puts) with a strike price at mid-point of the two legs to buy (sell); (3) all legs have the same expiration; and (4) each leg strike price is equidistant from the next sequential strike price.

(ii) The Butterfly Spread Protection applies throughout the trading day, including pre-market, during the Opening Process and during Halts.

(j) Box Spread Protection. The Box Spread Protection will apply to a box spread. A box spread is a four legged Complex Order with the following: (1) one pair of legs with the same strike price with one leg to buy a call (put) and one leg to sell a put (call); (2) a second pair of legs with a different strike price from the pair described in (1) with one leg to sell a call (put) and one leg to buy a put (call); (3) all legs have the same expiration; and (4) all legs have equal volume.

(ii) The Box Spread Protection applies throughout the trading day, including pre-market, during the Opening Process and during Halts.
(a) The initial Maximum Value is the distance between the strike prices of each pair of leg strike prices. The Maximum Value Buffer is the lesser of a configurable absolute dollar value or percentage of the initial Maximum value set by the Exchange and announced via a notice to members. The Maximum Value is calculated by adding the initial Maximum Value and Maximum Value Buffer.

(b) The initial Minimum Value spread is zero. The Minimum Value Buffer is a configurable absolute dollar value set by the Exchange and announced via a notice to members. The Minimum Value is calculated by subtracting the Minimum Value Buffer from the initial Minimum Value of zero.

(ii) The Box Spread Protection applies throughout the trading day, including pre-market, during the Opening Process and during Halts.

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