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Page 1 of	* 20		EXCHANGE CO GTON, D.C. 205- orm 19b-4	49	File No.*	SR - 2015 - * 008 Amendments *)
_	y Chicago Board Options nt to Rule 19b-4 under the	_	Act of 1934			
Initial *	Amendment *	Withdrawal	Section 19(b)(2	2) * Secti	on 19(b)(3)(A) *	Section 19(b)(3)(B) *
Pilot	Extension of Time Period for Commission Action *	Date Expires *		19b-4( 19b-4( 19b-4(	f)(2)	
	of proposed change pursuant 806(e)(1) *	to the Payment, Clearing Section 806(e)(2) *	ing, and Settleme	nt Act of 2010	Security-Based Swa to the Securities Exct Section 3C(b)(2	<del>-</del>
Exhibit 2	_	Exhibit 3 Sent As Paper Do	ocument			
	a brief description of the acti			nitial is checked	*).	
Provide	t Information the name, telephone number d to respond to questions an			e staff of the sel	f-regulatory organizatio	n
First Na	ame * Jenny		Last Name * Go	oldina		
Title *	Senior Attorney					
E-mail '						
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#### SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549 For complete Form 19b-4 instructions please refer to the EFFS website. The self-regulatory organization must provide all required information, presented in a Form 19b-4 Information \* clear and comprehensible manner, to enable the public to provide meaningful comment on the proposal and for the Commission to determine whether the proposal Remove is consistent with the Act and applicable rules and regulations under the Act. The Notice section of this Form 19b-4 must comply with the guidelines for publication Exhibit 1 - Notice of Proposed Rule Change \* in the Federal Register as well as any requirements for electronic filing as published by the Commission (if applicable). The Office of the Federal Register (OFR) offers guidance on Federal Register publication requirements in the Federal Register Add Remove View Document Drafting Handbook, October 1998 Revision. For example, all references to the federal securities laws must include the corresponding cite to the United States Code in a footnote. All references to SEC rules must include the corresponding cite to the Code of Federal Regulations in a footnote. All references to Securities Exchange Act Releases must include the release number, release date, Federal Register cite, Federal Register date, and corresponding file number (e.g., SR-[SRO] -xx-xx). A material failure to comply with these guidelines will result in the proposed rule change being deemed not properly filed. See also Rule 0-3 under the Act (17 CFR 240.0-3) The Notice section of this Form 19b-4 must comply with the guidelines for publication **Exhibit 1A- Notice of Proposed Rule** in the Federal Register as well as any requirements for electronic filing as published Change, Security-Based Swap Submission, by the Commission (if applicable). The Office of the Federal Register (OFR) offers or Advance Notice by Clearing Agencies \* guidance on Federal Register publication requirements in the Federal Register Document Drafting Handbook, October 1998 Revision. For example, all references to the federal securities laws must include the corresponding cite to the United States Code in a footnote. All references to SEC rules must include the corresponding cite to the Code of Federal Regulations in a footnote. All references to Securities Exchange Act Releases must include the release number, release date, Federal Register cite, Federal Register date, and corresponding file number (e.g., SR-[SRO] -xx-xx). A material failure to comply with these guidelines will result in the proposed rule change, security-based swap submission, or advance notice being deemed not properly filed. See also Rule 0-3 under the Act (17 CFR 240.0-3) Exhibit 2 - Notices, Written Comments, Copies of notices, written comments, transcripts, other communications. If such Transcripts, Other Communications documents cannot be filed electronically in accordance with Instruction F, they shall be filed in accordance with Instruction G. Remove View Add Exhibit Sent As Paper Document П Exhibit 3 - Form, Report, or Questionnaire Copies of any form, report, or questionnaire that the self-regulatory organization proposes to use to help implement or operate the proposed rule change, or that is Add Remove View referred to by the proposed rule change. Exhibit Sent As Paper Document The full text shall be marked, in any convenient manner, to indicate additions to and **Exhibit 4 - Marked Copies** deletions from the immediately preceding filing. The purpose of Exhibit 4 is to permit Add Remove View the staff to identify immediately the changes made from the text of the rule with which it has been working. **Exhibit 5 - Proposed Rule Text** The self-regulatory organization may choose to attach as Exhibit 5 proposed changes to rule text in place of providing it in Item I and which may otherwise be more easily readable if provided separately from Form 19b-4. Exhibit 5 shall be considered part Add Remove View of the proposed rule change. If the self-regulatory organization is amending only part of the text of a lengthy **Partial Amendment** 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.

# Item 1. Text of the Proposed Rule Change

- (a) Chicago Board Options Exchange, Incorporated (the "Exchange" or "CBOE") proposes to amend Interpretation and Policy .07 to Rule 4.11 (Position Limits) by extending a pilot program that eliminates the position and exercise limits for physically-settled options on the SPDR S&P 500 ETF Trust ("SPY Pilot Program"), which is currently set to expire on January 27, 2014. The text of the proposed rule change is provided below and in Exhibit 5.
  - (b) Not applicable.
  - (c) Not applicable.

## Item 2. Procedures of the Self-Regulatory Organization

- (a) The Exchange's Chief Regulatory Officer pursuant to delegated authority approved the proposed rule change on January 7, 2015.
- (b) Please refer questions and comments on the proposed rule change to Joanne Moffic-Silver, Executive Vice President, General Counsel, and Corporate Secretary, (312) 786-7462, or Jenny L. Golding, (312) 786-7466, Chicago Board Options Exchange, Incorporated, 400 South LaSalle, Chicago, Illinois 60605.

# Item 3. <u>Self-Regulatory Organization's Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change</u>

# (a) Purpose

The Exchange proposes to amend Interpretation and Policy .07 to Rule 4.11 (Position Limits) to extend the duration of the SPY Pilot Program.<sup>1</sup> The SPY Pilot Program is currently scheduled to expire on January 27, 2014 and this proposal would extend the

See Securities Exchange Act Release Nos. 67937 (September 27, 2012), 77 FR 60489 (October 3, 2012) (SR-CBOE-2012-091) and 70878 (November 14, 2013), 78 FR 69737 (November 20, 2013) (SR-CBOE-2013-106).

SPY Pilot Program through July 12, 2015. There are no substantive changes being proposed to the SPY Pilot Program.

In proposing to extend the SPY Pilot Program, the Exchange reaffirms its consideration of several factors that supported its original proposal to establish the SPY Pilot Program, which include: (1) the liquidity of the option and the underlying security; (2) the market capitalization of the underlying security and the securities that make up the S&P 500 Index; (3) options reporting requirements; and (4) financial requirements imposed by CBOE and the Commission.

In the original proposal to establish the SPY Pilot Program, CBOE stated that if CBOE were to submit a proposal to either extend the SPY Pilot Program, adopt the SPY Pilot Program on a permanent basis, or terminate the SPY Pilot Program, CBOE would submit, along with any proposal, a report providing an analysis of the SPY Pilot Program covering the first twelve months during which the SPY Pilot Program was in effect (the "Pilot Report"). Accordingly, the Exchange is submitting a Pilot Report that details CBOE's experience with the SPY Pilot Program. The Pilot Report is attached as Exhibit 3. CBOE notes that it is unaware of any problems created by the SPY Pilot Program and does not foresee any as a result of the proposed extension. In extending the SPY Pilot Program, the Exchanges states that if CBOE were to propose another extension, permanent approval or termination of the SPY Pilot Program, the Exchange will submit another Pilot Report covering the period since the previous extension, which will be submitted at least 30 days before the end of the proposed extension.

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See 77 FR at 60490.

#### (b) **Statutory Basis**

The Exchange believes the proposed rule change is consistent with the Securities Exchange Act of 1934 (the "Act") and the rules and regulations thereunder applicable to the Exchange and, in particular, the requirements of Section 6(b) of the Act.<sup>3</sup> Specifically, the Exchange believes the proposed rule change is consistent with the Section 6(b)(5)<sup>4</sup> requirements that the rules of an exchange be designed to prevent fraudulent and manipulative acts and practices, 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.

Specifically, the Exchange believes that extending the SPY Pilot Program promotes just and equitable principles of trade by permitting market participants, including market makers, institutional investors and retail investors, to establish greater positions when pursuing their investment goals and needs.

#### Item 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 that is not necessary or appropriate in furtherance of the purposes of the Act. The proposed rule change is not designed to address any aspect of competition, whether between the Exchange and its competitors, or among market participants. Instead, the proposed rule change is designed to allow the SPY Pilot Program to continue as other SROs have adopted similar provisions.

<sup>15</sup> U.S.C. 78f(b). 15 U.S.C. 78f(b)(5).

Item 5. <u>Self-Regulatory Organization's Statement on Comments on the Proposed</u> Rule Change Received from Members, Participants, or Others

The Exchange neither solicited nor received comments on the proposed rule change.

- Item 6. <u>Extension of Time Period for Commission Action</u>

  Not applicable.
- Item 7. <u>Basis for Summary Effectiveness Pursuant to Section 19(b)(3) or for Accelerated Effectiveness Pursuant to Section 19(b)(2) or Section 19(b)(7)(D)</u>
- (a) The proposed rule change is filed for immediate effectiveness pursuant to Section 19(b)(3)(A) of Act<sup>5</sup> and Rule 19b-4(f)(6)<sup>6</sup> thereunder.
- (b) The Exchange designates that the proposed rule change effects a change that (i) does not significantly affect the protection of investors or the public interest; (ii) does not impose any significant burden on competition; and (iii) by its terms, does not become operative for 30 days after the date of the filing, or such shorter time as the Securities and Exchange Commission (the "Commission") may designate if consistent with the protection of investors and the public interest. Additionally, the Exchange has given the Commission written notice of its intent to file the proposed rule change, along with a brief description and text of the proposed rule change, at least five business days prior to the date of filing of the proposed rule change, or such shorter time as designated by the Commission.

The proposed rule change allows for an extension of the SPY Pilot Program for the benefit of market participants and allows for continued analysis of how the SPY Pilot Program should be structured in the future.

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<sup>&</sup>lt;sup>5</sup> 15 U.S.C. 78s(b)(3)(A).

<sup>&</sup>lt;sup>6</sup> 17 CFR 240.19b-4(f)(6).

For the foregoing reasons, this rule filing qualifies as a "non-controversial" rule change under Rule 19b-4(f)(6), which renders the proposed rule change effective upon filing with the Commission. At any time within 60 days of the filing of this proposed rule change, the Commission summarily may temporarily suspend such rule change if it appears to the Commission that such action is necessary or appropriate in the public interest, for the protection of investors, or otherwise in furtherance of the purposes of the Act. The Exchange respectfully requests that the Commission waive the 30-day operative delay period after which a proposed rule change under Rule 19b-4(f)(6) becomes effective. Waiver of the 30-day operative delay period will allow the SPY Pilot Program to continue uninterrupted.

- (c) Not applicable.
- (d) Not applicable.

Item 8. <u>Proposed Rule Change Based on Rules of Another Self-Regulatory Organization or of the Commission</u>

This filing is based on a recently noticed NYSE MKT LLC filing SR-NYSEMKT-2014-106, which extended NYSE MKT's SPY Pilot Program until July 12, 2015.<sup>7</sup>

- Item 9. <u>Security-Based Swap Submissions Filed Pursuant to Section 3C of the Act</u>
  Not applicable.
- Item 10. Advance Notices Filed Pursuant to Section 806(e) of the Payment, Clearing and Settlement Supervision Act

Not applicable.

See Securities Exchange Act Release No. 73847 (December 16, 2014), 79 FR 76426 (December 22, 2014).

# Item 11. <u>Exhibits</u>

<u>Exhibit 1</u>. Completed Notice of Proposed Rule Change for publication in the

Federal Register.

Exhibit 3. Pilot Report.

Exhibit 5. Proposed Rule Text.

### EXHIBIT 1

SECURITIES AN	ND EXCHANGE COMMISSION
(Release No. 34-	; File No. SR-CBOE-2015-008)

Self-Regulatory Organizations; Chicago Board Options Exchange, Incorporated; Notice of Filing and Immediate Effectiveness of a Proposed Rule Change to Extend Pilot Program that Eliminates Position and Exercise Limits for Physically-Settled SPDR S&P 500 ETF Trust ("SPY") Options

Pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 (the "Act"), and Rule 19b-4 thereunder, notice is hereby given that on \_\_\_\_\_\_\_\_\_, 2015, Chicago Board Options Exchange, Incorporated (the "Exchange" or "CBOE") filed with the Securities and Exchange Commission (the "Commission") the proposed rule change as described in Items I, II, and III below, which Items have been prepared by the Exchange. The Exchange filed the proposal as a "non-controversial" proposed rule change pursuant to Section 19(b)(3)(A)(iii) of the Act<sup>3</sup> and Rule 19b-4(f)(6) thereunder. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

I. <u>Self-Regulatory Organization's Statement of the Terms of Substance of the Proposed Rule Change</u>

CBOE proposes to amend Interpretation and Policy .07 to Rule 4.11 (Position Limits) by extending a pilot program that eliminates the position and exercise limits for physically-settled options on the SPDR S&P 500 ETF Trust ("SPY Pilot Program"), which is currently set to expire on January 27, 2014.

<sup>15</sup> U.S.C. 78s(b)(1).

<sup>&</sup>lt;sup>2</sup> 17 CFR 240.19b-4.

<sup>&</sup>lt;sup>3</sup> 15 U.S.C. 78s(b)(3)(A)(iii).

<sup>&</sup>lt;sup>4</sup> 17 CFR 240.19b-4(f)(6).

The text of the proposed rule change is available on the Exchange's website (<a href="http://www.cboe.com/AboutCBOE/CBOELegalRegulatoryHome.aspx">http://www.cboe.com/AboutCBOE/CBOELegalRegulatoryHome.aspx</a>), at the Exchange's Office of the Secretary, and at the Commission.

# II. <u>Self-Regulatory Organization's Statement of the Purpose of, and Statutory Basis</u> 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. <u>Self-Regulatory Organization's Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change</u>

# 1. Purpose

The Exchange proposes to amend Interpretation and Policy .07 to Rule 4.11 (Position Limits) to extend the duration of the SPY Pilot Program.<sup>5</sup> The SPY Pilot Program is currently scheduled to expire on January 27, 2014 and this proposal would extend the SPY Pilot Program through July 12, 2015. There are no substantive changes being proposed to the SPY Pilot Program.

In proposing to extend the SPY Pilot Program, the Exchange reaffirms its consideration of several factors that supported its original proposal to establish the SPY Pilot Program, which include: (1) the liquidity of the option and the underlying security; (2) the market capitalization of the underlying security and the securities that make up the S&P 500

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See Securities Exchange Act Release Nos. 67937 (September 27, 2012), 77 FR 60489 (October 3, 2012) (SR-CBOE-2012-091) and 70878 (November 14, 2013), 78 FR 69737 (November 20, 2013) (SR-CBOE-2013-106).

Index; (3) options reporting requirements; and (4) financial requirements imposed by CBOE and the Commission.

In the original proposal to establish the SPY Pilot Program, CBOE stated that if CBOE were to submit a proposal to either extend the SPY Pilot Program, adopt the SPY Pilot Program on a permanent basis, or terminate the SPY Pilot Program, CBOE would submit, along with any proposal, a report providing an analysis of the SPY Pilot Program covering the first twelve months during which the SPY Pilot Program was in effect (the "Pilot Report"). <sup>6</sup> Accordingly, the Exchange is submitting a Pilot Report that details CBOE's experience with the SPY Pilot Program. The Pilot Report is attached as Exhibit 3. CBOE notes that it is unaware of any problems created by the SPY Pilot Program and does not foresee any as a result of the proposed extension. In extending the SPY Pilot Program, the Exchanges states that if CBOE were to propose another extension, permanent approval or termination of the SPY Pilot Program, the Exchange will submit another Pilot Report covering the period since the previous extension, which will be submitted at least 30 days before the end of the proposed extension.

# 2. Statutory Basis

The Exchange believes the proposed rule change is consistent with the Securities Exchange Act of 1934 (the "Act") and the rules and regulations thereunder applicable to the Exchange and, in particular, the requirements of Section 6(b) of the Act.<sup>7</sup> Specifically, the Exchange believes the proposed rule change is consistent with the Section 6(b)(5)<sup>8</sup> requirements that the rules of an exchange be designed to prevent fraudulent and manipulative acts and practices, to promote just and equitable principles

<sup>&</sup>lt;sup>6</sup> See 77 FR at 60490.

<sup>15</sup> U.S.C. 78f(b).

<sup>&</sup>lt;sup>8</sup> 15 U.S.C. 78f(b)(5).

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.

Specifically, the Exchange believes that extending the SPY Pilot Program promotes just and equitable principles of trade by permitting market participants, including market makers, institutional investors and retail investors, to establish greater positions when pursuing their investment goals and needs.

# 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 that is not necessary or appropriate in furtherance of the purposes of the Act. The proposed rule change is not designed to address any aspect of competition, whether between the Exchange and its competitors, or among market participants. Instead, the proposed rule change is designed to allow the SPY Pilot Program to continue as other SROs have adopted similar provisions.

# C. <u>Self-Regulatory Organization's Statement on Comments on the Proposed</u> Rule Change Received from Members, Participants, or Others

The Exchange neither solicited nor received comments on the proposed rule change.

# III. <u>Date of Effectiveness of the Proposed Rule Change and Timing for Commission</u> Action

Because the foregoing proposed rule change does not:

- A. significantly affect the protection of investors or the public interest;
- B. impose any significant burden on competition; and
- C. become operative for 30 days from the date on which it was filed, or such shorter time as the Commission may designate, it has become effective pursuant to

Section 19(b)(3)(A) of the Act<sup>9</sup> and Rule 19b-4(f)(6)<sup>10</sup> thereunder. At any time within 60 days of the filing of the proposed rule change, the Commission summarily may temporarily suspend such rule change if it appears to the Commission that such action is necessary or appropriate in the public interest, for the protection of investors, or otherwise in furtherance of the purposes of the Act. If the Commission takes such action, the Commission will institute proceedings to determine whether the proposed rule change should be approved or 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 <a href="mailto:rule-comments@sec.gov">rule-comments@sec.gov</a>. Please include File Number SR-CBOE-2015-008 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-CBOE-2015-008. 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

17 CFR 240.19b-4(f)(6).

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<sup>15</sup> U.S.C. 78s(b)(3)(A).

Commission will post all comments on the Commission's Internet website (http://www.sec.gov/rules/sro.shtml). 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, D.C. 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-CBOE-2015-008 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. 11

Secretary

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# EXHIBIT 3

# SPY Option Position Limit Pilot Program Report

The Exchange previously established a pilot program that eliminated position and exercise limits for physically-settled options on the SPDR S&P 500 ETF ("SPY Pilot Subsequently, the Exchange filed to extend the SPY Pilot Program, Program"). 1 originally scheduled to expire on November 27, 2013, until January 27, 2015.<sup>2</sup> In connection with extending the SPY Pilot Program, the Exchange stated that it would prepare a Pilot Report in support of a proposal to extend the SPY Pilot Program, adopt the SPY Pilot Program on a permanent basis or terminate the SPY Pilot Program. The Pilot Report would be submitted within thirty (30) days of the end of the first twelve months of the extended SPY Pilot Program time period and would cover the twelve months that just ended. The Pilot Report would detail the size and different types of strategies employed with respect to positions established as a result of the elimination of position limits in SPY options. In addition, the Pilot Report would note whether any problems resulted due to the no limit approach and any other information that may be useful in evaluating the effectiveness of the SPY Pilot Program. The Pilot Report would compare the impact of the SPY Pilot Program, if any, on the volumes of SPY options and the volatility in the price of the underlying SPY shares, particularly at expiration. In preparing the report the Exchange would utilize various data elements such as volume and open interest. In addition the Exchange would make available to Commission staff data elements relating to the effectiveness of the SPY Pilot Program.

See Securities Exchange Act Release No. 67937 (September 27, 2012), 77 FR 60489 (October 3, 2012) (SR-CBOE-2012-091).

See Securities Exchange Act Release No. 70878 (November 14, 2013), 78 FR 69737 (November 20, 2013) (SR-CBOE-2013-106).

# Impact on SPY Volumes and Volatility

To assess the impact of the SPY Pilot Program on SPY option volumes, the Exchange compared SPY option monthly volume during January 2013 to December 2013 (the "Pre-Pilot period") to SPY option monthly volume during January 2014 to December 2014 (the "Pilot period") (see Table 1 and Table 2).<sup>3</sup> Year-over-year, the average monthly volume in SPY options increased 2.2% and the overall cleared options volume in equity options increased 3.2% from 2013 to 2014.<sup>4</sup>

TABLE 1: Comparison of SPY Options Volume Pre-Pilot vs. Pilot

	Pre-Pilot	Pilot
Average Monthly Volume	99,383,292	101,524,363
Average Monthly Customer <sup>5</sup> Volume	36,277,013	37,102,120
Median Monthly Volume	93,783,943	94,867,467
Median Monthly Customer Volume	33,951,894	34,297,731

TABLE 2: Change in SPY Options Volume Pre-Pilot vs. Pilot

% Change In Average Monthly Volume Pilot vs. Pre-Pilot	2.2%
% Change in Average Monthly Customer Volume Pilot vs. Pre-Pilot	2.3%
% Change in Median Monthly Volume Pilot vs. Pre-Pilot	1.2%
% Change in Median Monthly Customer Volume Pilot vs. Pre-Pilot	1.0%

2

The Exchange established the SPY Pilot Program in September 2012; however, not all self-regulatory organizations ("SROs") had adopted similar rules eliminating position and exercise limits for SPY options when the Exchange sought to renew the SPY Pilot Program in November 2013. It was not until January 2014 that all relevant SROs adopted similar rules eliminating position and exercise limits for SPY options. For this reason, the Exchange is using the time period from January 2013 to December 2013 to assess Pre-Pilot Program activity and the time period from January 2014 to December 2014 to assess SPY Pilot Program activity.

Cleared monthly volume in equity options as reported by The Options Clearing Corporation ("OCC").

<sup>&</sup>lt;sup>5</sup> Customer volume as reported by activity clearing in the customer range at the OCC.

The Exchange also compared the open interest in SPY options during the Pilot and Pre-Pilot periods (see Table 3 and Table 4). The average daily open interest of SPY option contracts decreased by 7.2% during the Pilot period.

TABLE 3: Comparison of Daily SPY Options Open Interest Pre-Pilot vs. Pilot

	Pre-Pilot	Pilot
Average Daily Open Interest	20,969,374	19,460,800
	, ,	, ,
Median Daily Open Interest	20,929,733	19,007,297

TABLE 4: Change in Daily SPY Options Open Interest Pre-Pilot vs. Pilot

% Change in Average Daily Open Interest Pilot vs. Pre-Pilot	-7.2%
% Change in Median Daily Open Interest Pilot vs. Pre-Pilot	-9.2%

To assess the impact of the SPY Pilot Program on volatility in SPY shares, the Exchange looked at the reported opening and closing prices for SPY during the Pre-Pilot and Pilot periods. Using the reported opening and closing prices, the Exchange calculated the maximum and minimum closing prices, daily close-to-close volatility and daily close-to-open volatility for SPY for each period. The Exchange then grouped the results by the first 3 trading days of each month and the 3 trading days up to and including expiration days. By comparing the different measures of price variability during the Pre-Pilot and Pilot periods for regular trading days and expiration days the Exchange was able to ascertain that overall there was not a substantive change in volatility during the SPY Pilot Program. The data does show an increase in volatility during the Pilot Period leading up to and including

Close-to-close volatility is calculated by taking the standard deviation of daily close-to-close price returns and multiplying that value by the square root of 252. Close-to-open volatility is calculated by taking the standard deviation of daily close-to-next day open price returns and multiplying that value by the square root of 252.

expiration; however, volatility during expiration remained relatively low at 9.15%. The results are shown in Table 5 and Table 6 below.

**TABLE 5: SPY Price Movement** 

	<b>Pre-Pilot Period</b>	Pilot Period	% Change
Max	184.69	208.72	13.0%
Min	145.55	174.17	19.7%
Volatility (close-to-close)	11.1%	11.3%	1.4%
Volatility (close-to-open)	6.5%	6.2%	-4.7%

**TABLE 6: Expiration Day Effects** 

	Pre-Pilot Period			Pilot Period		
	First 3 Days of the Month	3 Days up to Expiration	% Change	First 3 Days of the Month	3 Days up to Expiration	%Change
Volatility (close-to-close)	12.39%	13.75%	10.91%	10.95%	12.12%	10.76%
Volatility (close-to-open)	7.99%	5.80%	-27.34%	5.80%	9.15%	57.81%

Finally, to assess the impact of the SPY Pilot Program on strategy orders traded at the Exchange, the Exchange looked at the Average Number of Complex Trades per Month and the Average Complex Volume per Month in SPY options. In both instances the number of trades and volume increased by a substantive percentage, indicating that market participants potentially found greater liquidity and improved price discovery.

**TABLE 7: Strategy Orders** 

	<b>Pre-Pilot Period</b>	Pilot Period	% Change
Average Number of Trades per Month	1,094	1,674	53.0%
Median Number of Trades per Month	978	1,439	47.1%
Average Volume per Month	99,069	117,591	18.7%
Median Volume per Month	86,454	99,626	15.2%

# Conclusion

The Exchange believes that there is evidence to support a continuation of the SPY Pilot Program at this time. The Exchange's study did not reveal any adverse consequences to volatility or changes in open interest due to the SPY Pilot Program. With respect to volume, the SPY Pilot Program has potentially proven to be beneficial to market participants, as demonstrated by the increase in SPY complex volume and SPY complex trades per month during the SPY Pilot vs. Pre-Pilot Period.

## 0EXHIBIT 5

(additions are underlined; deletions are [bracketed])

\* \* \* \* \*

# Chicago Board Options Exchange, Incorporated Rules

\* \* \* \* \*

### **Rule 4.11. Position Limits**

No changes.

## ... Interpretations and Policies:

.01 - .06 No change.

.07 The position limits under Rule 4.11 applicable to options on shares or other securities that represent interests in registered investment companies (or series thereof) organized as open-end management investment companies, unit investment trusts or similar entities that satisfy the criteria set forth in Interpretation and Policy .06 under Rule 5.3 shall be the same as the position limits applicable to equity options under Rule 4.11 and Interpretations and Policies thereunder; except that the position limits under Rule 4.11 applicable to option contracts on the securities listed in the below chart are as follows:

Security Underlying Option	Position Limit
The DIAMONDS Trust (DIA)	300,000 contracts
The Standard and Poor's Depositary Receipt Trust (SPY)	None
The iShares Russell 2000 Index Fund (IWM)	500,000 contracts
The PowerShares QQQ Trust (QQQ)	900,000 contracts
The iShares MSCI Emerging Markets Index Fund (EEM)	500,000 contracts

Position limits for SPY options are subject to a pilot program through [January 27, 2015] <u>July 12, 2015</u>.

.08 No change.

\* \* \* \* \*