CBOE Holdi	ings, Inc.										
Form 4	2017										
February 23,											
FORM	14 UNITED	STATES 9	SECUR	ITIES A	ND EX	сна	NGE C	COMMISSION		PPROVAL	
Check th		STATES		shington,					OMB Number:	3235-0287	
if no long	ter.		CHAN	CECINI					Expires:	January 31, 2005	
	subject to STATEMENT OF CHAN Section 16.				ITIES	ICIA		NERSHIP OF	Estimated average burden hours per		
Form 5 obligation may cont <i>See</i> Instru 1(b).	Filed pur ns Section 17(a	a) of the P	ublic Ut		ling Con	npany	y Act of	e Act of 1934, 71935 or Section 0	response	0.5	
(Print or Type I	Responses)										
O'Connell Gerald T Symbol			Symbol	ouer Name <b>and</b> Ticker or Trading bl E Holdings, Inc. [CBOE]				5. Relationship of Reporting Person(s) to Issuer			
(Last)					<b>č</b>				(Check all applicable)		
C/O CBOE	HOLDINGS, IN SALLE STREET	C., 400	(Month/D 02/19/20	ay/Year)				Director X Officer (give below) Execut		Owner er (specify O	
	(Street)	4	4. If Ame	endment, Date Original				6. Individual or Joint/Group Filing(Check			
Filed(Mor			nth/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting				
		(7:)						Person			
(City)	(State)	(Zip)	Tabl	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)		. Transaction Date 2A. Deemed Month/Day/Year) Execution Date, if any (Month/Day/Year)			4. Securi on(A) or Di (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	curities Form: Direct 1 eneficially (D) or 1 wned Indirect (I) ( ollowing (Instr. 4) ( eported ansaction(s)		
				Code V	Amount		Price	(Instr. 3 and 4)			
Common Stock	02/19/2016			М	2,048	А	\$ 62.74	71,475	D		
Common Stock	02/19/2016			М	1,829	А	\$ 62.74	73,304	D		
Common Stock	02/19/2016			F	637	D	\$ 62.74	72,667	D		

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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## Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Numb orDerivati Securitie Acquired Disposed (Instr. 3, 5)	ve es d (A) or d of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	<u>(1)</u>	02/19/2016		М		2,048	02/19/2016	(2)	Common Stock	2,048
Restricted Stock Units	<u>(1)</u>	02/19/2016		М		1,829	02/19/2016	<u>(3)</u>	Common Stock	1,829
Restricted Stock Units	(1)	02/19/2016		А	5,502		(4)	(4)	Common Stock	5,502

## **Reporting Owners**

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
O'Connell Gerald T C/O CBOE HOLDINGS, INC. 400 SOUTH LASALLE STREET CHICAGO, IL 60605			Executive VP and CIO					
Signatures								
/s/ Patrick Sexton, attorney-in-fact	02/23	3/2016						

<u>\*\*</u>Signature of Reporting Person

Date

## **Explanation of Responses:**

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) Each restricted stock unit represents a contingent right to receive one share of CBOE Holdings, Inc. common stock.

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- (2) The restricted stock units vest in three equal annual installments, which began on February 19, 2015.
- (3) The restricted stock units vest in three equal annual installments, which began on February 19, 2016.
- (4) The restricted stock units vest in three equal annual installments beginning on February 19, 2017.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.