CBOE Holdi	ngs, Inc.										
Form 4											
February 23,	2016										
FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION								OMB APPROVAL			
Check this box								OMB Number:	3235-0287		
if no long	ar							Expires:	January 31, 2005		
subject to STATEMENT OF CHAN Section 16.				IGES IN BENEFICIAL OW SECURITIES				NERSHIP OF	burden hou	ated average n hours per	
Form 4 or Form 5 obligations may continue.response0.5See Instruction 1(b).Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 19400.5											
(Print or Type F	Responses)										
Provost Edward L Syr			2. Issuer Name and Ticker or Trading Symbol CBOE Holdings, Inc. [CBOE]					5. Relationship of Reporting Person(s) to Issuer			
a 3				C ·	-	DE		(Check all applicable)			
(Last)	(First) (M			of Earliest Transaction				Director 10% Owner			
				onth/Day/Year) /19/2016				Officer (give title Other (specify below) below) President and COO			
			endment, Date Original nth/Day/Year)				 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person 				
CHICAGO, IL 60605								Form filed by More than One Reporting 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)		nsaction Date 2A. Deemed h/Day/Year) Execution Date, if any (Month/Day/Year)			4. Securi n(A) or Di (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)		
				Code V	Amount	(D)	Price	(Instr. 3 and 4)			
Common Stock	02/19/2016			М	3,323	А	\$ 62.74	70,913	D		
Common Stock	02/19/2016			М	3,564	А	\$ 62.74	74,477	D		
Common Stock	02/19/2016			F	1,034	D	\$ 62.74	73,443	D		
Common Stock	02/19/2016			F	1,109	D	\$ 62.74	72,334	D		

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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. Transactio Code (Instr. 8)	5. Numbe orDerivative Securities Acquired Disposed (Instr. 3, 4	tive Expiration Date (Month/Day/Year) red (A) or		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Restricted Stock Units	<u>(1)</u>	02/19/2016		М		3,323	02/19/2016	(2)	Common Stock	3,323
Restricted Stock Units	<u>(1)</u>	02/19/2016		М		3,564	02/19/2016	(3)	Common Stock	3,564
Restricted Stock Units	<u>(1)</u>	02/19/2016		А	12,743		(4)	<u>(4)</u>	Common Stock	12,743

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Provost Edward L C/O CBOE HOLDINGS, INC. 400 SOUTH LASALLE STREET CHICAGO, IL 60605			President and COO				
Signatures							

/s/ Patrick Sexton, attorney-in-fact

02/23/2016 Date

**Signature of Reporting Person

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.

(2) The restricted stock units vest in three equal annual installments, which began on February 19, 2015.

Edgar Filing: CBOE Holdings, Inc. - Form 4

(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.