CBOE Holdings, Inc.

Form 4

February 20, 2015

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

OMB APPROVAL

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

0.5

Form 4 or Form 5 obligations may continue. See Instruction

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 1940

response...

Estimated average

burden hours per

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Dean Alan J

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Last)

(First) (Middle) CBOE Holdings, Inc. [CBOE]

(Check all applicable)

C/O CBOE HOLDINGS, INC., 400

(Month/Day/Year) 02/19/2015

Director 10% Owner X_ Officer (give title _ Other (specify below)

SOUTH LASALLE STREET

3. Date of Earliest Transaction

Executive VP, CFO & Treasurer 6. Individual or Joint/Group Filing(Check

(Street) 4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

CHICAGO, IL 60605

(City)	(State) (Zi	p) Table I	- Non-Der	rivative Se	curiti	es Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		3. Transaction Code (Instr. 8)	4. Securi or(A) or D (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Unrestricted			Code V	Amount	(D)	Price	(Ilisti. 3 aliu 4)		
Common Stock	02/19/2015		M	2,336	A	\$ 61.96	68,634	D	
Unrestricted Common Stock	02/19/2015		F	727	D	\$ 61.96	67,907	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. Number of ctionDerivative Securities 3) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		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	Amou or Numb of Shares
Restricted Stock Units	<u>(1)</u>	02/19/2015		M		2,336	02/19/2015	<u>(1)</u>	Unrestricted Common Stock	2,33
Restricted Stock Units	(1)	02/19/2015		A	6,263		(2)	(2)	Unrestricted Common Stock	6,26

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Dean Alan J C/O CBOE HOLDINGS, INC. 400 SOUTH LASALLE STREET CHICAGO, IL 60605

Executive VP, CFO & Treasurer

Signatures

/s/ Patrick Sexton, attorney-in-fact 02/20/2015

**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. unrestricted common stock.
- (2) The restricted stock units vest in three equal annual installments beginning on February 19, 2016.

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.

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