Dean Alan J Form 4 February 08, 2013

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

Number:

3235-0287 January 31,

0.5

Expires:

2005 Estimated average

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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

1(b).

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol

CBOE Holdings, Inc. [CBOE]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(First) (Middle) 3. Date of Earliest Transaction

Director 10% Owner

C/O CBOE HOLDINGS, INC., 400

(Street)

02/06/2013

(Month/Day/Year)

X_ Officer (give title Other (specify below)

(Check all applicable)

SOUTH LASALLE STREET

4. If Amendment, Date Original

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

Filed(Month/Day/Year)

Applicable Line)

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

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

CHICAGO, IL 60605

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year)

3. 4. Securities Acquired Execution Date, if Transaction(A) or Disposed of Code (D)

(Instr. 8)

5. Amount of 7. Nature of Securities Ownership Indirect Beneficially Form: Direct Beneficial Ownership Owned (D) or Following Indirect (I) (Instr. 4)

(Instr. 4)

Reported (A) Transaction(s) or

(Instr. 3 and 4)

Code V Amount (D) Price

(Instr. 3, 4 and 5)

Unrestriced

(Instr. 3)

Common 02/06/2013 Stock

Α 21.911 A \$0 87,649

D

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

(Month/Day/Year)

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SEC 1474 (9-02)

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

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1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transactio	5. orNumber	6. Date Exerc Expiration D		7. Title at Amount of		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(monda, Day, Teal)	(Month/Day/Year)	Code (Instr. 8)	of (Month/Day/Ye Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			Underlying Securities (Instr. 3 and 4)		Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	or Title Nu of	nount umber uares		

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 02/08/2013

**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).

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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