SMITH JOHN ALEXANDER

Form 4

February 28, 2013

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

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Check this box if no longer subject to Section 16. Form 4 or Form 5

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

may continue. See Instruction

obligations

1(b).

Common

Stock

02/26/2013

(Print or Type Responses)

1. Name and A SMITH JOI	ZR Symbol		I Ticker or Trading IENTS INC [MKSI]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(I+)								
(Last)	(First) (of Earliest T	ransaction	Director	100		
2 TECH DE	`	(Month/Day/Year) 02/26/2013			e title Other below) Sr. VP, ASG	Owner er (specify		
	4. If Am	endment, Da	ate Original	6. Individual or Joint/Group Filing(Check				
ANDOVER	Filed(Mo	Filed(Month/Day/Year)			Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip) Tah	ole I - Non-I	Derivative Securities Acq	quired, Disposed o	f, or Beneficial	ly Owned	
1.Title of	2. Transaction Dat	e 2A. Deemed	3.	4. Securities Acquired	5. Amount of	6. Ownership	7. Nature of	
Security	(Month/Day/Year)	Execution Date, if	Transacti	on(A) or Disposed of (D)	Securities	Form: Direct	Indirect	
(Instr. 3)		any	Code	(Instr. 3, 4 and 5)	Beneficially	(D) or	Beneficial	
		(Month/Day/Year)	(Instr. 8)		Owned	Indirect (I)	Ownership	
					Following	(Instr. 4)	(Instr. 4)	

Code V Amount

1,600

S

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Reported

0.392

Transaction(s) (Instr. 3 and 4)

D

(A)

D

Price \$

27.13

(1)

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 Security (Instr. 3)	2. Conversion or Exercise Price of	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)			ate	7. Title Amoun Under	int of lying ities	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene
	Derivative Security				Securities Acquired			(Instr.	3 and 4)		Owne Follo
					(A) or Disposed						Repo Trans
					of (D) (Instr. 3, 4, and 5)						(Instr
					4, and 3)				Amount		
						Date Exercisable	Expiration Date	Title	or Number of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SMITH JOHN ALEXANDER 2 TECH DRIVE

Sr. VP, ASG

Signatures

ANDOVER, MA 01810

/s/Renee M.
Donlan POA

02/28/2013

**Signature of Reporting 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).

This transaction was executed in multiple trades at prices ranging from \$27.13 to \$27.15 The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide, upon request, the full information regarding the number of shares and prices at which the transaction was effected.

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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