CIENA CORP Form 4 March 25, 2013

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or

Form 5

obligations may continue. See Instruction 1(b).

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person * FRODSHAM JAMES

Symbol

CIENA CORP [CIEN]

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

(Month/Day/Year) 03/21/2013

C/O CIENA CORPORATION, 1201 WINTERSON ROAD

> (Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading

Issuer

(Check all applicable)

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

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

SR. VP, Chief Strategy Officer

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting Person

LINTHICUM,, MD 21090

(City)	City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactiomr Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			Beneficially Form: Owned Direct	Ownership Form: Direct (D) or Indirect	Beneficial Ownership		
			Code V	A ma ayunt	(A) or	Duino	Transaction(s) (Instr. 3 and 4)	(Instr. 4)		
Common Stock	03/21/2013		Code V S	Amount 1,004 (1)	(D)	Price \$ 16.385	181,543 (2)	D		
Common Stock	03/21/2013		S	1,443 (3)	D	\$ 16.3851	180,100 (2)	D		
Common Stock	03/21/2013		S	1,528 (4)	D	\$ 16.3851	178,572 <u>(2)</u>	D		
Common Stock	03/21/2013		S	1,101 (5)	D	\$ 16.3851	177,471 <u>(2)</u>	D		

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

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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)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Tit	le and	8. Price of	9.
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration Date		Amount of	Derivative	D	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	S
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	,		Securities	(Instr. 5)	В	
	Derivative			Securities			(Instr.	. 3 and 4)		0	
	Security				Acquired						F
					(A) or						R
					Disposed						T
					of (D)						(I
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date	Expiration Date	Title Nu			
						Exercisable					
				C-1- V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

FRODSHAM JAMES C/O CIENA CORPORATION 1201 WINTERSON ROAD LINTHICUM,, MD 21090

SR. VP, Chief Strategy Officer

Signatures

By: Erik Lichter For: James A. 03/22/2013 Frodsham

> **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).
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (1) to a restricted stock unit (RSU) award agreement dated 12/15/2011. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/19/2011.
- (2) Shares reported include unvested Restricted Stock Units (RSUs).
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (3) to a restricted stock unit (RSU) award agreement dated 12/16/2009. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/18/2009.

(4)

Reporting Owners 2

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Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related to a restricted stock unit (RSU) award agreement dated 12/14/2010. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2010.

Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (5) to a restricted stock unit (RSU) award agreement dated 12/18/2012. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/20/2012.

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.