FRODSHAM JAMES

Form 4

December 14, 2017

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * FRODSHAM JAMES

2. Issuer Name and Ticker or Trading

Symbol

CIENA CORP [CIEN]

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 12/12/2017

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

SR. VP, Chief Strategy Officer

C/O CIENA CORPORATION, 7035 RIDGE RD.

(Street)

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

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting Person

HANOVER, MD 21076-1426

(City)	(State)	Zip) Table	e I - Non-D	erivative S	Securit	ies Acc	puired, Disposed o	of, or Beneficial	lly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securit	ies Ac	quired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Disposed of			Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)		Owned	Indirect (I)	Ownership	
						Following	(Instr. 4)	(Instr. 4)	
					(4)		Reported		
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	12/12/2017		A	20,232 (1)	A	\$0	171,355 <u>(2)</u>	D	
Common Stock	12/12/2017		A	28,695 (3)	A	\$0	200,050 (2)	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 orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Property Security (Instruction)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Market Stock Units	\$ 0	12/12/2017		A	11,478 (4)	<u>(5)</u>	<u>(5)</u>	Common Stock	11,478 (4)	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		

FRODSHAM JAMES C/O CIENA CORPORATION 7035 RIDGE RD. HANOVER, MD 21076-1426

SR. VP, Chief Strategy Officer

Signatures

By: Michelle Rankin For: James A.
Frodsham

12/14/2017

**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) Reflects the number of stock units earned pursuant to the terms of a performance stock unit award granted on 12/14/2016 reflecting the achievement of the related performance conditions. These shares vest in equal 1/3 amounts on each December 20, 2017, 2018, and 2019.
- (2) Shares reported include unvested Restricted Stock Units (RSUs) and Performance Stock Units (PSUs).
- (3) Reflects Restricted Stock Units (RSUs) that vest over four years, with one-sixteenth of the grant amount vesting on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2018.
- Each market stock unit (MSU) represents the contingent right to receive, following vesting, between 0% and 200% of one share of the (4) Issuer's common stock, subject to the level of achievement of applicable total shareholder return (TSR) performance conditions over a three-year period from fiscal 2018 through fiscal 2020.
- (5) The MSUs will vest on December 20, 2020, subject to the performance conditions described above.

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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