FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-028									
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0.5

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>SMITH ARTHUR D</u>						2. Issuer Name and Ticker or Trading Symbol  CIENA CORP [ CIEN ]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner					
(Last) (First) (Middle) C/O CIENA CORPORATION						3. Date of Earliest Transaction (Month/Day/Year) 05/07/2007								^ belov	Officer (give title pelow) CHIEF OPERA		Other (s below) OFFICE	`	
(Street)	NTHICUM, MD 21090					4. If Amendment, Date of Original Filed (Month/Day/Year)								ne) X Form Form	idual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person				
		Tab	le I - I	Non-Deri	vative	e Sec	urit	ies A	cquire	ed, D	isposed o	of, or Bo	eneficia	ally Owne	d				
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Y				Execution Date,		3. Transaction Code (Instr. 8)					Securi Benefi		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership				
				ľ			Code	v	Amount	(A) or (D)	Price		ted action(s) 3 and 4)			(Instr. 4)			
Common Stock 0				05/07/2	2007	07					1,785	Α	\$19.9	5 5	6,587	587 E			
Common Stock 05/07/2				2007	07			M		2,514	A	\$16.5	2 5	9,101		D			
Common Stock 05/07/20			2007	)7		S <sup>(1)</sup>		4,299	D	\$29.944	29.9442 <sup>(2)</sup> 5 <sup>2</sup>		D						
		-	Table								sposed of , converti								
Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any		4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exer Expiration D (Month/Day/		cisable and	7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	ily	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date (D) Exercisa		Expiration Date	Title	Amount or Number of Shares	1					
Non- Qualified Stock Option (right to buy)	\$16.52	05/07/2007			М			2,514	(3	3)	11/02/2015	Common Stock	2,514	\$0	42,129	)	D		
Non- Qualified Stock Option (right to	\$19.95	05/07/2007			М			1,785	(4	l)	12/10/2014	Common Stock	1,785	\$0	13,558	3	D		

## **Explanation of Responses:**

- 1. Sales were effected pursuant to Rule 10b5-1 trading plan dated 3/19/07.
- 2. Reflects the average sale price of the total shares sold. Actual sales prices are as follows: 98 shares at \$29.84; 2 shares at \$29.85; 200 shares at \$29.86; 300 shares at \$29.87; 200 shares at \$29.89; 766 shares at \$29.94; 534 shares at \$29.95; 700 shares at \$29.96; 599 shares at \$29.97; 736 shares at \$29.98; and 164 shares at \$29.99.
- 3. Option vests at a rate of 25% on the last day of the month of the one year anniversary of the grant date and 2.084% for each of the 36 months thereafter.
- 4. Option is fully vested. On October 26, 2005, the Board of Directors accelerated the vesting of Ciena's then unvested, "out-of-the-money" stock options.

By: Erik Lichter For: Arthur D. 05/08/2007 Smith

\*\* Signature of Reporting Person

Date

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

- \* 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.

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