

DEMARINES VICTOR
Form 4
September 10, 2009

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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 *
DEMARINES VICTOR

2. Issuer Name and Ticker or Trading Symbol
NETSCOUT SYSTEMS INC
[NTCT]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
C/O NETSCOUT SYSTEMS,
INC., 310 LITTLETON ROAD

(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
09/09/2009

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

WESTFORD, MA 01886

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(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. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	09/09/2009		M	4,643 (1)	A 2 17,561	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)

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Restricted Stock Unit	(2)	09/09/2009		M	4,643	09/09/2009 (3)	Common Stock	4,643
Restricted Stock Unit	(2)	09/09/2009		A	5,231	(4) (3)	Common Stock	5,231

Reporting Owners

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

DEMARINES VICTOR
 C/O NETSCOUT SYSTEMS, INC.
 310 LITTLETON ROAD
 WESTFORD, MA 01886

X

Signatures

/s/ Victor
 DeMarines 09/09/2009

**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) The shares of Common Stock were acquired upon the vesting of certain Restricted Stock Units previously granted to the reporting person.
- (2) Price is N/A.
- (3) Date is N/A.
- (4) All of the Restricted Stock Units vest on the date of the Company's Annual Meeting to occur in 2010, provided that during the period from the date of grant through the date of such Annual Meeting, the reporting person attends at least 75% of the meetings, collectively, of the Board and any committee of the Board of which the reporting person is a member. In the event that the attendance requirements are not met, the Restricted Stock Units will not become vested until 9/9/2012.

Remarks:

Exhibit 24.1 Power of Attorney (filed herewith)

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.