Ranaldi Robert Form 3 May 03, 2011

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement PARAMETRIC TECHNOLOGY CORP [PMTC] A Ranaldi Robert (Month/Day/Year) 04/28/2011 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 140 KENDRICK STREET (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director _X_ Form filed by One Reporting _X__ Officer Other Person NEEDHAM. MAÂ 02494 (give title below) (specify below) Form filed by More than One **EVP Worldwide Sales** Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities 4. Nature of Indirect Beneficial 1. Title of Security Beneficially Owned Ownership (Instr. 4) Ownership (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) D Â Common Stock 4,613 Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D) or Indirect	

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				Shares		(I) (Instr. 5)	
Restricted Stock Units	(2)	(2)	Common Stock	4,578	\$ <u>(1)</u>	D	Â
Restricted Stock Units	(3)	(3)	Common Stock	15,350	\$ <u>(1)</u>	D	Â
Restricted Stock Units	(4)	(4)	Common Stock	17,122	\$ <u>(1)</u>	D	Â
Employee Stock Options (right to buy)	(5)	05/20/2013	Common Stock	5,000 (6)	\$ 7.725	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships						
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other			
Ranaldi Robert 140 KENDRICK STREET NEEDHAM, MA 02494	Â	Â	EVP Worldwide Sales	Â			

Signatures

Catherine Gorecki by power of attorney filed 5-3-2011

05/03/2011

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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) Each restricted stock unit represents a contingent right to receive one share of Parametric Technology Corporation common stock.
- (2) Time-based Restricted Stock Units that vested as to 4,579 RSUs on each of November 15, 2009 and November 15, 2010 and vest as to 4,578 RSUs on November 15, 2011.
- (3) Time-based Restricted Stock Units that vested as to 7,676 RSUs on November 15, 2010 and vest as to 7,675 RSUs on each of November 15, 2011 and November 15, 2012.
- (4) Time-based Restricted Stock Units that vest as to 5,708 RSUs on each of November 15, 2011 and November 15, 2012, and 5,706 RSUs on November 15, 2013.
- (5) Employee Stock Options granted on May 20, 2003 that vested in four equal installments of 5,000 shares each on May 20, 2004, 2005, 2006 and 2007.
- (6) This amount represents the total number of derivative securities beneficially owned of the class shown.

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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