Trefler Leon Form 4 September 15, 2010

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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if no longer subject to Section 16. Form 4 or

See Instruction

Check this box

Form 5 obligations may continue.

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(b).

(Last)

(City)

1. Name and Address of Reporting Person * Trefler Leon

(First)

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

(Zin)

PEGASYSTEMS INC [PEGA] 3. Date of Earliest Transaction

(Check all applicable)

(Month/Day/Year)

Director _X__ Officer (give title below)

10% Owner Other (specify

101 MAIN STREET

09/13/2010

Senior Vice President, Sales

6. Individual or Joint/Group Filing(Check

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

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

CAMBRIDGE, MA 02142

(City)	(State) (Table Table	e I - Non-D	erivative	Secur	rities Acqu	uired, Disposed of	f, or Beneficial	y Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D)			*	5. Amount of Securities	7. Nature of Indirect		
(Instr. 3)		any (Month/Day/Year)	Code (Instr. 8)	(Instr. 8)		Beneficially Owned Following	(D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	09/13/2010		M	130 (1)	A	\$ 0	418	D	
Common Stock	09/13/2010		F	42	D	\$ 23.52	376	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)

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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. Transacti Code (Instr. 8)	Derivative	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units (2)	\$ 0	09/13/2010		M	130	12/13/2008(1)	(3)	Common Stock	130

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Trefler Leon
101 MAIN STI

101 MAIN STREET Senior Vice President, Sales

CAMBRIDGE, MA 02142

Signatures

/s/ Shawn Hoyt, Esq., as Attorney-In-Fact for Leon Trefler

09/15/2010

**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) Represents 5% quarterly vesting on September 13, 2010. Original grant was 2,600 RSUs, with 20% vested on December 13, 2008, and the remaining 80% vesting in equal quarterly installments over the remaining four years.
- (2) Each restricted stock unit represents the right to receive, following vesting, one share of Pegasystems Inc.'s common stock.
- (3) Once vested, the shares of common stock are not subject to expiration.

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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