RUDOLPH TECHNOLOGIES INC

Form 4

February 24, 2015

FORM 4

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

OMB 3235-0287 Number:

burden hours per

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue. See Instruction

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

response...

1(b).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * ROTH STEVEN R			2. Issuer Name and Ticker or Trading Symbol RUDOLPH TECHNOLOGIES INC [RTEC]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
				3. Date of Earliest Transaction				Director 10% Owner N Officer (give title Other (specify				
C/O RUDOLPH TECHNOLOGIES, INC., ONE RUDOLPH ROAD, PO BOX 1000			(Month/Day/Year) 02/20/2015					below) Senior Vice President & CFO				
	(Street)		f Amendment, Date Original ed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person					
FLANDERS, NJ 07836								Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table	e I - Non-D	- Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)	any		med on Date, if Day/Year)	3. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)			
				Code V	Amount	or (D)	Price	(Instr. 3 and 4)				
Common Stock	02/20/2015			D	318 (1)	D	\$ 12.3	83,745	D			
Common Stock	02/20/2015			A	5,250 (2)	A	\$0	88,995	D			
Common Stock	02/22/2015			D	257 (1)	D	\$ 12.3	88,738	D			
Common Stock	02/22/2015			D	223 (1)	D	\$ 12.3	88,515	D			

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Reminder: Report on a separate line for each class of securities beneficially 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.

SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans

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

	 Title of 	2.	3. Transaction Date	3A. Deemed	4.	5.	Date Exerc	cisable and	7. Title	e and	8. Price of	9
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date		Amou	nt of	Derivative	J
	Security	or Exercise		any	Code	of	(Month/Day/Year)		Underlying	Security	,	
	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative			Securities		(Instr. 5)]
		Derivative				Securities			(Instr. 3 and 4)			(
Security						Acquired						J
						(A) or						J
						Disposed						7
						of (D)						(
						(Instr. 3,						
						4, and 5)						
										Amount		
										or		
							Date Expiration Exercisable Date	Expiration		Number		
									of			
					Code V	(A) (D)				Shares		
					Code v	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

ROTH STEVEN R C/O RUDOLPH TECHNOLOGIES, INC. ONE RUDOLPH ROAD, PO BOX 1000 FLANDERS, NJ 07836

Senior Vice President & CFO

Signatures

/s/ Steven R. 02/24/2015

**Signature of Date
Reporting Person

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 shares withheld by Issuer to satisfy tax withholding obligations in connection with the vesting of restricted stock units grants previously received by the Reporting Person.
- (2) On January 31, 2014, the Compensation Committee of Rudolph Technologies' Board of Directors established targets for the award of performance-based Restricted Stock Units ("RSU's") such that the number of RSU's issued under the award would be contingent on the Company achieving certain revenue and non-GAAP operating income goals for fiscal year 2014 (the Metrics"). Effective upon the receipt of the Company's 2014 audited financial results from its independent auditors, a final determination of the number of performance-based RSU's to be awarded was made based on achievement against the 2014 Metrics. The awarded performance-based RSU's are still subject

Reporting Owners 2

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to a service requirement such that the award shall vest with respect to twenty percent (20%) of the shares subject to the award (rounded down to the next whole number of shares) on February 20, 2015 and on each of the subsequent four (4) years vesting annually on January 31.

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.