Beyer Richard A Form 4 October 25, 2010

FORM 4

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

Check this box if no longer subject to Section 16. Form 4 or

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

Form 5 obligations may continue. See Instruction 1(b).

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)

(Last)

1. Name and Address of Reporting Person * Beyer Richard A

(First)

(Street)

C/O TRIMBLE NAVIGATION

LTD., 935 STEWART DRIVE

(Middle)

Symbol TRIMBLE NAVIGATION LTD /CA/ [TRMB]

3. Date of Earliest Transaction

2. Issuer Name and Ticker or Trading

(Month/Day/Year) 10/21/2010

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

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

(Check all applicable)

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

Vice President

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

SUNNYVALE, CA 94085

(City)	(State)	(Zip) Tab	ole I - Non-	Derivative	Secu	rities Acquir	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactior Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price			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 Indirect Beneficial Ownership (Instr. 4)	
Common Stock	10/21/2010		M	200	A	\$ 16.995	701 (2)	D	
Common Stock	10/21/2010		S <u>(1)</u>	200	D	\$ 35.5001	501 (2)	D	
Common Stock	10/21/2010		M	1,600	A	\$ 16.995	2,101 (2)	D	
Common Stock	10/21/2010		S <u>(1)</u>	1,600	D	\$ 35.5001 (3)	501 (2)	D	

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Common Stock	10/21/2010	M	2,148	A	\$ 23.4413	2,649 (2)	D	
Common Stock	10/21/2010	S <u>(1)</u>	2,148	D	\$ 35.5729 (4)	501 (2)	D	
Common Stock	10/21/2010	M	22,000	A	\$ 19.96	22,501 (2)	D	
Common Stock	10/21/2010	S(1)	22,000	D	\$ 35.5332 (5)	501 (2)	D	
Common Stock						8	Ι	by 401K

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)

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. Transactio Code (Instr. 8)			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
Employee Stock Option	\$ 16.995	10/21/2010		M		200	<u>(6)</u>	10/20/2015	Common Stock	200
Employee Stock Option	\$ 16.995	10/21/2010		M		1,600	<u>(6)</u>	10/20/2015	Common Stock	1,600
Employee Stock Option	\$ 23.4413	10/21/2010		M		2,148	<u>(7)</u>	10/20/2013	Common Stock	2,148
Employee Stock Option	\$ 19.96	10/21/2010		M		22,000	<u>(7)</u>	10/20/2015	Common Stock	22,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Beyer Richard A
C/O TRIMBLE NAVIGATION LTD.

Vice President

935 STEWART DRIVE SUNNYVALE, CA 94085

Signatures

James Kirkland as Attorney in Fact

10/25/2010

**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) The sale reported in this Form 4 was affected pursuant to a Rule 10b5-1 plan adopted by the reporting person on August 23, 2010.
- (2) Includes 169 shares aquired under the Trimble Navigation stock purchase plan of August 31, 2010.
- The price reported in the weighted average sale price of shares sales occurring at prices ranging from \$35.50 to \$35.53. Upon the request of the SEC or a stockholder of the issuer, the reporting person will provide information on the number of shares sold of each separate price.
- The price reported is the weighted average sale price of shares sales occurring at prices ranging from \$35.57 to \$35.59. Upon request from the SEC or a stockholder of the issuer, the reporting person will provide information on the number of shares sold of each separate price.
- The price reported is the weighted average sale price of shares sales occurring at prices ranging from \$35.51 to \$35.5701. Upon request from the SEC or a stockholder of the issuer, the reporting person will provide information on the number of shares sold of each separate price.
- (6) This option is exercisable 20% at the end of the first year and 1.67% a month thereafter.
- (7) This option vests 40% after two years and 1.67% a month thereafter.

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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