

Beyer Richard A
 Form 4
 October 25, 2010

FORM 4

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

OMB APPROVAL

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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 *
 Beyer Richard A

2. Issuer Name and Ticker or Trading Symbol
 TRIMBLE NAVIGATION LTD /CA/ [TRMB]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Vice President

(Last) (First) (Middle)
 C/O TRIMBLE NAVIGATION LTD., 935 STEWART DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 10/21/2010

SUNNYVALE, CA 94085

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)		
				Code	V	Amount				(A) or (D)	Price
Common Stock	10/21/2010		M			200	A	\$ 16.995	701 (2)	D	
Common Stock	10/21/2010		S(1)			200	D	\$ 35.5001 (3)	501 (2)	D	
Common Stock	10/21/2010		M			1,600	A	\$ 16.995	2,101 (2)	D	
Common Stock	10/21/2010		S(1)			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 ⁽¹⁾	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	I	by 401K

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.

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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. 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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Employee Stock Option	\$ 16.995	10/21/2010		M	200	⁽⁶⁾ 10/20/2015	Common Stock 200
Employee Stock Option	\$ 16.995	10/21/2010		M	1,600	⁽⁶⁾ 10/20/2015	Common Stock 1,600
Employee Stock Option	\$ 23.4413	10/21/2010		M	2,148	⁽⁷⁾ 10/20/2013	Common Stock 2,148
Employee Stock Option	\$ 19.96	10/21/2010		M	22,000	⁽⁷⁾ 10/20/2015	Common Stock 22,000

