

HARRINGTON MARK A  
Form 4  
September 15, 2010

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
HARRINGTON MARK 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)

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

3. Date of Earliest Transaction (Month/Day/Year)  
09/14/2010

\_\_\_\_ Director  
 Officer (give title below)  
\_\_\_\_ 10% Owner  
\_\_\_\_ Other (specify below)  
Vice President

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	09/14/2010		M	12,500 A \$ 16.235	14,282 <sup>(2)</sup>	D	
Common Stock	09/14/2010		S <sup>(1)</sup>	12,500 D \$ 31	1,782 <sup>(2)</sup>	D	
Common Stock	09/15/2010		M	12,500 A \$ 16.235	14,282 <sup>(2)</sup>	D	
Common Stock	09/15/2010		S <sup>(1)</sup>	12,500 D \$ 32.004 <sup>(3)</sup>	1,782 <sup>(2)</sup>	D	

## Edgar Filing: HARRINGTON MARK A - Form 4

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)

**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)	Amount or Number of Shares	
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V	(A)	(D)
Employee Stock Option	\$ 16.235	09/14/2010		M	12,500	<u>(4)</u> 12/17/2014	Common Stock	12,500	
Employee Stock Option	\$ 16.235	09/15/2010		M	12,500	<u>(4)</u> 12/17/2014	Common Stock	12,500	

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director    10% Owner    Officer    Other

HARRINGTON MARK A  
C/O TRIMBLE NAVIGATION LIMITED  
935 STEWART DRIVE  
SUNNYVALE, CA 94085

Vice President

## Signatures

James Kirkland as Attorney  
in Fact

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) The sale reported in this Form 4 was affected pursuant to a Rule 10b5-1 plan adopted by the reporting person on June 1, 2010.

(2) Includes 128 shares acquired under the Trimble Navigation stock purchase plan of August 31, 2010.

(3)

## Edgar Filing: HARRINGTON MARK A - Form 4

The price reported is the weighted average sale price of shares sales occurring at prices ranging from \$32.00 to \$32.02. 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.

(4) This option is exercisable 20% at the end of the first year 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.