

FOSBURGH BRYN  
Form 4  
September 30, 2010

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

OMB APPROVAL

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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 \*  
FOSBURGH BRYN

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)

3. Date of Earliest Transaction (Month/Day/Year)  
09/29/2010

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

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

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

SUNNYVALE, CA 94085

(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                    | 09/29/2010                           |  | M                              |   | 1,399   | A  | \$ 16.995   |
| Common Stock                    | 09/29/2010                           |  | S <sup>(1)</sup>               |   | 1,399   | D  | \$ 35   |
| Common Stock                    | 09/29/2010                           |  | M                              |   | 2,250   | A  | \$ 28   |
| Common Stock                    | 09/29/2010                           |  | S <sup>(1)</sup>               |   | 2,250   | D  | \$ 35.0002  |
|                                 | 09/29/2010                           |  | M                              |   | 550   | A  | \$ 35.0002 <sup>(3)</sup>                             |

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|              |            |  |                  |     |         |     |         |       |   |
|--------------|------------|--|------------------|-----|---------|-----|---------|-------|---|
| Common Stock |            |  |                  |     | \$      |     |         |       |   |
|              |            |  |                  |     | 23.4413 |     |         |       |   |
| Common Stock | 09/29/2010 |  | S <sup>(1)</sup> | 550 | D       | \$  | 35.0227 | 1,846 | D |
|              |            |  |                  |     |         | (4) |         |       |   |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(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 (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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|--|--|---|-------------------------------|
| Employee Stock Option                      | \$ 16.995  | 09/29/2010                           |  | M                              | 1,399  | <u>(2)</u> 12/20/2015                                    | Common Stock  | 1,399                         |
| Employee Stock Option                      | \$ 28  | 09/29/2010                           |  | M                              | 2,250  | <u>(2)</u> 04/21/2015                                    | Common Stock  | 2,250                         |
| Employee Stock Option                      | \$ 23.4413   | 09/29/2010                           |  | M                              | 550  | <u>(2)</u> 10/20/2013                                    | Common Stock  | 550                           |

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director    10% Owner    Officer    Other

FOSBURGH BRYN  
C/O TRIMBLE NAVIGATION LIMITED  
935 STEWART DRIVE  
SUNNYVALE, CA 94085

Vice President

## Signatures

John Huey as attorney  
in fact

09/30/2010

\_\_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 3, 2010.

(2) This option is exercisable 20% at the end of the first year and 1.67% a month thereafter.

(3) The price reported is the weighted average sale price of shares sales occurring at prices ranging from \$35.00 to \$35.01. 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) The price reported is the weighted average sale price of shares sales occurring at prices ranging from \$35.01 to \$35.04. 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.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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