

Veneziano James
 Form 3
 February 20, 2013

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Veneziano James | | (Month/Day/Year) | TRIMBLE NAVIGATION LTD /CA/ [TRMB] | |
| (Last) | (First) | (Middle) | 02/11/2013 | |
| C/O TRIMBLE NAVIGATION LIMITED | | | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | | (Check all applicable) | |
| 935 STEWART DRIVE, CA 94085 | | | <input type="checkbox"/> Director | <input type="checkbox"/> 10% Owner |
| (City) (State) (Zip) | | | <input checked="" type="checkbox"/> Officer | <input type="checkbox"/> Other |
| | | | (give title below) | (specify below) |
| | | | Vice President | |
| | | | 6. Individual or Joint/Group Filing(Check Applicable Line) | |
| | | | <input checked="" type="checkbox"/> Form filed by One Reporting Person | |
| | | | <input type="checkbox"/> Form filed by More than One Reporting Person | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 11,018.79 | D | |

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

SEC 1473 (7-02)

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

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|--|--|---|
| | Date Exercisable | Title | | | |

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| | Expiration Date | Amount or Number of Shares | or Indirect (I) (Instr. 5) |
|--------------------------------|--------------------------------------|------------------------------|----------------------------|
| Employee Stock Option | 10/22/2005 ⁽¹⁾ 10/22/2014 | Common Stock 15,000 \$ 14.53 | D Â |
| Employee Stock Option | 10/20/2009 ⁽²⁾ 10/20/2014 | Common Stock 11,000 \$ 40.59 | D Â |
| Employee Stock Option | 04/21/2010 ⁽²⁾ 04/21/2015 | Common Stock 10,000 \$ 28 | D Â |
| Employee Stock Option | 10/20/2010 ⁽²⁾ 10/20/2015 | Common Stock 8,750 \$ 19.96 | D Â |
| Employee Stock Option | 05/19/2011 ⁽²⁾ 05/19/2016 | Common Stock 13,067 \$ 20.01 | D Â |
| Employee Stock Option | 10/23/2011 ⁽²⁾ 10/23/2016 | Common Stock 16,500 \$ 21.68 | D Â |
| Employee Stock Option | 04/27/2012 ⁽²⁾ 04/27/2017 | Common Stock 20,000 \$ 30.8 | D Â |
| Employee Stock Option | 10/26/2012 ⁽²⁾ 10/26/2017 | Common Stock 30,000 \$ 36.2 | D Â |
| Employee Stock Option | 05/03/2013 ⁽²⁾ 05/03/2018 | Common Stock 20,000 \$ 43.06 | D Â |
| Employee Stock Option | 10/28/2013 ⁽²⁾ 10/28/2018 | Common Stock 30,000 \$ 41.28 | D Â |
| Employee Stock Option | 05/01/2014 ⁽²⁾ 05/01/2019 | Common Stock 20,000 \$ 53.95 | D Â |
| Employee Stock Option | 10/29/2014 ⁽²⁾ 10/29/2019 | Common Stock 25,000 \$ 47.06 | D Â |
| Employee Restricted Stock Unit | 10/26/2013 ⁽³⁾ 10/26/2013 | Common Stock 2,000 \$ 0 | D Â |
| Employee Restricted Stock Unit | 10/28/2014 ⁽³⁾ 10/28/2014 | Common Stock 2,200 \$ 0 | D Â |
| Employee Restricted Stock Unit | 10/29/2015 ⁽³⁾ 10/29/2015 | Common Stock 8,500 \$ 0 | D Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Veneziano James C/O TRIMBLE NAVIGATION LIMITED 935 STEWART DRIVE, Â CA Â 94085 | Â | Â | Â Vice President | Â |

Signatures

James A. Kirkland, as
Attorney-in-Fact

02/20/2013

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) This option vests 20% after one year and 1.67% a month thereafter.
- (2) This option vests 40% after two years and 1.67% a month thereafter.
- (3) The restricted stock units will vest 100% in thirty six (36) months after the award date.

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.