Veneziano James Form 3 February 20, 2013

FORM 3

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

OMB APPROVAL

OMB Number:

3235-0104

Expires:

January 31, 2005

0.5

Estimated average burden hours per response...

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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement TRIMBLE NAVIGATION LTD /CA/ [TRMB] À Veneziano James (Month/Day/Year) 02/11/2013 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) C/O TRIMBLE NAVIGATION (Check all applicable) LIMITED (Street) 6. Individual or Joint/Group 10% Owner Director _X__ Officer Other Filing(Check Applicable Line) (give title below) (specify below) _X_ Form filed by One Reporting Vice President Person 935 STEWART Form filed by More than One DRIVE. CAÂ 94085 Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 5) (Instr. 4) Form: Direct (D) or Indirect (I) (Instr. 5) Â Common Stock 11,018.79 D Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) 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.

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

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

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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				
1	Director	10% Owner	Officer	Other	
Veneziano James	^	^	^	^	
C/O TRIMBLE NAVIGATION LIMITED	Α	A	Vice President	A	
935 STEWART DRIVE Â CAÂ 94085					

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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.

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