

TRIMBLE NAVIGATION LTD /CA/  
Form 4  
August 15, 2007

**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 \*  
LESYNA MICHAEL W

(Last) (First) (Middle)

C/O TIMBLE NAVIGATION LTD, 935 STEWART DRIVE

(Street)

SUNNYVALE, CA 94085

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)  
08/13/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**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)		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 Price				
Common Stock	08/13/2007		M	19,378	A	\$ 13.7084	34,688	D	
Common Stock	08/13/2007		S <sup>(1)</sup>	19,378	D	\$ 37.7727	15,310	D	
Common Stock	08/13/2007		M	45,000	A	\$ 5.8234	60,310	D	
Common Stock	08/13/2007		S <sup>(1)</sup>	45,000	D	\$ 37.7727	15,310	D	
Common Stock	08/13/2007		M	20,000	A	\$ 5.1134	35,310	D	

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Common Stock	08/13/2007	S <sup>(1)</sup>	20,000	D	\$ 37.7727	15,310	D	
Common Stock	08/13/2007	M	2,760	A	\$ 8.5	18,070	D	
Common Stock	08/13/2007	S <sup>(1)</sup>	2,760	D	\$ 37.7727	15,310	D	
Common Stock	08/13/2007	M	21,240	A	\$ 8.5	36,550	D	
Common Stock	08/13/2007	S <sup>(1)</sup>	21,240	D	\$ 37.7727	15,310	D	
Common Stock	08/13/2007	M	14,722	A	\$ 14.53	30,032	D	
Common Stock	08/13/2007	S <sup>(1)</sup>	14,722	D	\$ 37.7727	15,310	D	
Common Stock	08/13/2007	M	1,900	A	\$ 16.995	17,210	D	
Common Stock	08/13/2007	S <sup>(1)</sup>	1,900	D	\$ 37.7727	15,310	D	
Common Stock						4,500	I	By Spouse

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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(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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option	\$ 13.7084	08/13/2007		M	19,378	(2)	08/25/2010	Common Stock	19,378
Employee Stock Option	\$ 5.8234	08/13/2007		M	45,000	(2)	07/18/2011	Common Stock	45,000

Stock Option							Stock	
Employee Stock Option	\$ 5.1134	08/13/2007	M	20,000	(2)	06/21/2012	Common Stock	20,000
Employee Stock Option	\$ 8.5	08/13/2007	M	2,760	(2)	07/16/2013	Common Stock	2,760
Employee Stock Option	\$ 8.5	08/13/2007	M	21,240	(2)	07/16/2013	Common Stock	21,240
Employee Stock Option	\$ 14.53	08/13/2007	M	14,722	(2)	10/22/2014	Common Stock	14,722
Employee Stock Option	\$ 16.995	08/13/2007	M	1,900	(2)	12/20/2015	Common Stock	1,900

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LESYNA MICHAEL W C/O TIMBLE NAVIGATION LTD 935 STEWART DRIVE SUNNYVALE, CA 94085			Vice President	

## Signatures

Irwin Kwatek as Attorney  
in Fact 08/15/2007

\_\_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 effected pursuant to a Rule 10b5-1 plan adopted by the reporting person on August 6, 2007.
  - (2) 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.