

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>PAINTER ROBERT G</u> (Last) (First) (Middle) C/O TRIMBLE NAVIGATION LIMITED 935 STEWART DRIVE (Street) SUNNYVALE CA 94058 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 02/01/2016	3. Issuer Name and Ticker or Trading Symbol <u>TRIMBLE NAVIGATION LTD /CA/ [TRMB]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) CFO	5. If Amendment, Date of Original Filed (Month/Day/Year) 02/02/2016 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	19,086.063	D	

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: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Employee Stock Option	10/23/2011 ⁽¹⁾	10/23/2016	Common Stock	14,000	10.84	D	
Employee Stock Option	04/27/2012 ⁽¹⁾	04/27/2017	Common Stock	5,000	15.4	D	
Employee Stock Option	10/26/2012 ⁽¹⁾	10/26/2017	Common Stock	10,000	18.1	D	
Employee Stock Option	05/03/2013 ⁽¹⁾	05/03/2018	Common Stock	8,000	21.53	D	
Employee Stock Option	10/28/2013 ⁽¹⁾	10/28/2018	Common Stock	10,000	20.64	D	
Employee Stock Option	05/01/2014 ⁽¹⁾	05/01/2019	Common Stock	8,000	26.975	D	
Employee Stock Option	10/29/2014 ⁽¹⁾	10/29/2019	Common Stock	6,000	23.53	D	
Employee Stock Option	05/07/2015 ⁽²⁾	05/07/2020	Common Stock	5,300	28.08	D	
Employee Stock Option	10/29/2015 ⁽²⁾	10/29/2020	Common Stock	6,000	28.2	D	
Employee Stock Option	05/09/2016 ⁽²⁾	05/09/2021	Common Stock	3,500	35.02	D	
Employee Stock Option	11/06/2016 ⁽²⁾	11/06/2021	Common Stock	5,250	27.48	D	
Employee Stock Option	05/07/2017 ⁽²⁾	05/07/2022	Common Stock	2,660	25.29	D	
Employee Restricted Stock Unit	05/07/2016 ⁽³⁾	05/07/2016	Common Stock	900	0.0	D	
Employee Restricted Stock Unit	10/29/2016 ⁽³⁾	10/29/2016	Common Stock	2,000	0.0	D	
Employee Restricted Stock Unit	05/09/2017 ⁽³⁾	05/09/2017	Common Stock	1,167	0.0	D	
Employee Restricted Stock Unit	11/06/2017 ⁽³⁾	11/06/2017	Common Stock	1,750	0.0	D	
Employee Restricted Stock Unit	05/07/2018 ⁽³⁾	05/07/2018	Common Stock	1,770	0.0	D	
Employee Restricted Stock Unit	11/06/2018 ⁽³⁾	11/06/2018	Common Stock	5,000	0.0	D	

Explanation of Responses:

1. 40% of these options became exercisable two years from grant date and an additional 1.67% of these options become exercisable monthly thereafter.
2. 50% of these options became exercisable two years from grant date and an additional 2.08% of these options become exercisable monthly thereafter.
3. 100% of these restricted stock units will vest on the 3rd anniversary of the grant date.

Remarks:

James A. Kirkland, as
Attorney-in-fact

03/04/2016

** Signature of Reporting Person Date

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

* 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).

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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