### TRIMBLE NAVIGATION LTD /CA/

Form SC 13G/A January 24, 2002

(3)

SEC Use Only

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1) NAME OF ISSUER: Trimble Navigation Ltd. TITLE OF CLASS OF SECURITIES: Common CUSIP NUMBER: 896239100 CUSIP NO. 896239100 MELLON FINANCIAL CORPORATION Names of Reporting Persons (1) SS or IRS Identification Nos. Of Above Person IRS No. 25-1233834 Check the Appropriate Box if a Member of a Group (See Instructions) (2) (a) ( ) (b) ( ) (3) SEC Use Only (4) Citizenship or Place of Organization United States Number of Shares (5) Sole Voting Power 2,532,146 Beneficially Owned by Each (6) Shared Voting Power 368,600 Reporting Person With (7) Sole Dispositive Power 3,020,871 Shared Dispositive Power (8) Aggregate Amount Beneficially Owned by Each Reporting Person 3,021,071 (9) Check if the Aggregate Amount in Row (9) Excludes Certain (10)Shares (See Instructions) ( ) Percent of Class Represented by Amount in Row (9) 12.10 (11)HС (12)Type of Reporting Person (See Instructions) CUSIP NO. 896239100 Names of Reporting Persons THE BOSTON COMPANY, INC. (1)SS or IRS Identification Nos. Of Above Person IRS No. 04-2371833 Check the Appropriate Box if a Member of a Group (See Instructions) (2) (a) ( ) (b) ( )

(4)	Citizenship or P	lace of	Organization	United States		
		(5)	Sole Voting Power		2,115,280*	
Owned b		(6)	Shared Voting Power		368,600*	
With	ng Person	(7)	Sole Dispositive Power		2,583,480*	
		(8)	Shared Dispositive Pow	er	0*	
(9)	Aggregate Amount	Benefic	cially Owned by Each Rep	orting Person	2,583,680*	
(10)	Check if the Agg Shares (See Inst	_	Amount in Row (9) Exclud	es Certain (	)	
(11)	Percent of Class	Represe	ented by Amount in Row (	9)	10.35*	
(12)	Type of Reportin	g Persor	n (See Instructions)	Н	C	
* Shares beneficially owned by Boston Safe Advisors, TBC Asset Management, Inc., Boston Safe Deposit and Trust Company and Franklin Portfolio Associates as of December 31, 2001 are reported on this Schedule as beneficially owned by The Boston Company, as a holding company. As of December 31, 2001, the holding company that beneficially owned these shares was Boston Safe Deposit and Trust Company. Systems development will be required to reflect this change on future Schedules.						
CUSIP NO. 896239100						
CUSIP N	0.00239100					
(1)	Names of Reporti	-	ons n Nos. Of Above Person	THE BOSTON CO ASSET MANAGEM IRS No. 04-24	ENT, LLC	
	Names of Reporti	fication		ASSET MANAGEM IRS No. 04-24	ENT, LLC 68567 tions)	
(1)	Names of Reporti	fication	n Nos. Of Above Person	ASSET MANAGEM IRS No. 04-24 p (See Instruc	ENT, LLC 68567 tions)	
(1)	Names of Reporti SS or IRS Identi Check the Approp	fication	n Nos. Of Above Person	ASSET MANAGEM IRS No. 04-24 p (See Instruc	ENT, LLC 68567 (tions) (b) ( )	
(1) (2) (3) (4) Number	Names of Reporti SS or IRS Identi Check the Approp SEC Use Only Citizenship or P	fication	n Nos. Of Above Person	ASSET MANAGEM IRS No. 04-24 p (See Instruc (a) ( )	ENT, LLC 68567 (tions) (b) ( )	
(1) (2) (3) (4) Number Benefic Owned b	Names of Reporti SS or IRS Identi Check the Approp SEC Use Only Citizenship or P of Shares cially by Each	fication riate Bo	n Nos. Of Above Person  ox if a Member of a Grou  Organization	ASSET MANAGEM IRS No. 04-24 p (See Instruc (a) ( )	ENT, LLC 68567 tions) (b) ( )	
(1) (2) (3) (4) Number Benefic Owned b	Names of Reporti SS or IRS Identi Check the Approp SEC Use Only Citizenship or P of Shares	fication riate Bo lace of (5)	n Nos. Of Above Person  ox if a Member of a Grou  Organization  Sole Voting Power	ASSET MANAGEM IRS No. 04-24 p (See Instruc (a) ( ) United States	EENT, LLC 68567 (tions) (b) ( )	
(1) (2) (3) (4) Number Benefic Owned k Reporti	Names of Reporti SS or IRS Identi Check the Approp SEC Use Only Citizenship or P of Shares cially by Each	fication riate Bo lace of (5)	n Nos. Of Above Person  ox if a Member of a Grou  Organization  Sole Voting Power  Shared Voting Power	ASSET MANAGEM IRS No. 04-24 p (See Instruc (a) ( ) United States	EENT, LLC 68567 (tions) (b) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	
(1) (2) (3) (4) Number Benefic Owned k Reporti	Names of Reporti SS or IRS Identi Check the Approp SEC Use Only Citizenship or P of Shares sially by Each	fication riate Bo lace of (5) (6) (7)	Organization Sole Voting Power Shared Voting Power Sole Dispositive Power	ASSET MANAGEM IRS No. 04-24 p (See Instruc (a) ( )  United States	ENT, LLC 68567 tions) (b) ( ) 1,522,880* 368,600* 1,991,280* 0*	
(1) (2) (3) (4) Number Benefic Owned h Reporti With	Names of Reporti SS or IRS Identi Check the Approp SEC Use Only Citizenship or P of Shares sially by Each .ng Person Aggregate Amount	fication riate Boolean fication (Fig. 1) (Fig. 1) (Fig. 2) (Fig. 2	Organization Sole Voting Power Shared Voting Power Sole Dispositive Power Shared Dispositive Power Cially Owned by Each Rep	ASSET MANAGEM IRS No. 04-24  p (See Instruc (a) ( )  United States  er  orting Person	ENT, LLC 68567 tions) (b) ( ) 1,522,880* 368,600* 1,991,280* 0*	
(1) (2) (3) (4) Number Benefic Owned k Reporti With	Names of Reporti SS or IRS Identi Check the Approp SEC Use Only Citizenship or P of Shares cially by Each ong Person Aggregate Amount Check if the Agg Shares (See Inst	fication riate Bo  lace of (5) (6) (7) (8)  Benefic	Organization Sole Voting Power Shared Voting Power Sole Dispositive Power Shared Dispositive Power Cially Owned by Each Rep	ASSET MANAGEM IRS No. 04-24  p (See Instruc (a) ( )  United States  er  orting Person  es Certain  (	ENT, LLC 68567  tions) (b) ( )  1,522,880* 368,600* 1,991,280* 0* 1,991,280*	

\* Shares beneficially owned by Boston Safe Advisors, TBC Asset Management, Inc., Boston Safe Deposit and Trust Company and Franklin Portfolio Associates as of December 31, 2001 are reported on this Schedule as beneficially owned by The Boston Company, as a holding company. As of December 31, 2001, the holding company that beneficially owned these shares was Boston Safe Deposit and Trust Company. Systems development will be required to reflect this change on future Schedules.

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

	${f SCHEDULE}$ (Under the Securities and E.	
Item 1(a)	Name of Issuer: Trimble Navi	gation Ltd.
Item 1(b)	Address of Issuer's Principal	Executive Offices: 645 N. Mary Ave. Sunnyvale, CA 94088
Item 2(a)	repor	n Financial Corporation and any other ting person(s) identified on the d part of the cover page(s).
Item 2(b)	Address of Principal Business	Office, or if None, Residence:     c/o Mellon Financial Corporation     One Mellon Center     Pittsburgh, Pennsylvania 15258     (for all reporting persons)
Item 2(c)	Citizenship:	United States
Item 2(d)	Title of Class of Securities:	Common Stock
Item 2(e)	CUSIP Number:	896239100
Item 3	See Item 12 of cover page(s) ( Person") for each reporting pe	
	BK = Bank as defined in Se	ection 3(a)(6) of the Act

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  m Investment}$  Company registered under Section 8 of the Investment Company Act of 1940
- EP = Employee Benefit Plan, Pension Fund which is subject to
   the provisions of the Employee Retirement Income
   Security Act of 1974 or Endowment Fund; see
   Section 240.13-d(1)(b)(1)(ii)(F)
- HC = Parent Holding Company, in accordance with Section 240.13-d(1)(b)(1)(ii)(G)

The amount beneficially owned includes, where appropriate, securities not outstanding which are subject to options, warrants, rights or

conversion privileges that are exercisable within 60 days. The filing of this Schedule 13G shall not be construed as an admission that Mellon Financial Corporation, or its direct or indirect subsidiaries, including Mellon Bank, N.A., are for the purposes of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered by this Schedule 13G.

The following information applies if checked: ( ) Mellon Bank, N.A. is the trustee of the issuer's employee benefit plan (the "Plan"), which is subject to ERISA. The securities reported include all shares held of record by Mellon Bank, N.A. as trustee of the Plan which have not been allocated to the individual accounts of employee participants in the Plan. The reporting person, however, disclaims beneficial ownership of all shares that have been allocated to the individual accounts of employee participants in the Plan for which directions have been received and followed.

Item 5 Ownership of Five Percent or Less of a Class: If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following ( )

Item 6 Ownership of More than Five Percent on Behalf of Another Person: All of the securities are beneficially owned by Mellon Financial Corporation and direct or indirect subsidiaries in their various fiduciary capacities. As a result, another entity in every instance is entitled to dividends or proceeds of sale. The number of individual accounts holding an interest of 5% or more is ( 0 ).

- Item 8 Identification and Classification of Members of the Group: N/A
- Item 9 Notice of Dissolution of Group:

N/A

Item 10 Certification: By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having such purpose or effect.

#### SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct. This filing is signed by Mellon Financial Corporation on behalf of all reporting entities pursuant to Rule 13d-1(f)(1) promulgated under the Securities and Exchange Act of 1934, as amended.

Date: January 17, 2002

MELLON FINANCIAL CORPORATION

By: MARY J. RICHARDS

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Mary J. Richards
Vice President,
Mellon Bank, N.A.
Attorney-In-Fact for
Mellon Financial Corporation

Each of the undersigned hereby authorizes Mellon Financial Corporation, in accordance with Rule 13d-1(f)(1) under the Securities Exchange Act of 1934, as amended (the "1934 Act"), to file, on behalf of the undersigned, any statement required to be signed by the undersigned, on Schedule 13G pursuant to Rule 13d-1 under the 1934 Act and any amendment thereto pursuant to Rule 13d-2 under the 1934 Act.

Each of the undersigned represents that it is individually eligible to use Schedule 13G, and acknowledges its responsibility for the timely filing of such Schedule 13G and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein. However, each of the undersigned is not responsible for the completeness or accuracy of the information concerning the other persons making the filing on Schedule 13G unless such undersigned knows or has reason to believe that such information is inaccurate.

Date: January 17, 2002

THE BOSTON COMPANY, INC.

By: MARY J. RICHARDS

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Mary J. Richards
Vice President,
Mellon Bank, N.A.
Attorney-In-Fact for
The Boston Company, Inc.

THE BOSTON COMPANY ASSET MANAGEMENT, LLC

By: MARY J. RICHARDS

Mary J. Richards Vice President, Mellon Bank, N.A. Attorney-In-Fact for The Boston Company Asset Management, LLC

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EXHIBIT I

The shares reported on the attached Schedule 13G are beneficially owned by the following direct or indirect subsidiaries of Mellon Financial Corporation,

as marked (X):

(A)		tem 3 classification of each of the subsidiaries listed below is 3(b) Bank as defined in Section 3(a)(6) of the Act."
	100	0(2) 24 40 4012 11 0000101. 0(4) (0) 01 01.0 1.00
	( X )	Boston Safe Deposit and Trust Company
	( )	
	( X )	
		Management LLC, The Dreyfus Corporation, Mellon Equity
	, ,	Associates, LLP and Laurel Capital Advisors, LLP)
	( )	
	( )	
(B)	The I	tem 3 classification of each of the subsidiaries listed below is
	"Item	3(e) Investment Advisor registered under Section 203 of the Investment
	Advis	ors Act of 1940."
	( )	Boston Safe Advisors, Inc.
	( )	*
	( )	
	( )	Franklin Portfolio Associates LLC
	( )	Laurel Capital Advisors, LLP
	( X )	Mellon Capital Management Corporation
	( )	Mellon Equity Associates, LLP Mellon-Newton Asset Management Limited
	( )	Newton Capital Management Limited
	( )	Newton Fund Managers Limited
	( )	Newton International Investment Management Limited
	( )	Newton Investment Management (IOM) Limited
	( )	Newton Investment Management (Guernsey) Limited
	( )	Newton Investment Management Limited
	( )	Newton Management (Asia) Pte Limited
	( )	Royal Bank of Scotland Portfolio Management Limited
	( )	Royal Bank of Scotland Unit Trust Management Limited
	( )	Stewart Newton Fund Management (Mauritius) Limited
	( )	Sundaram Newton Asset Management Company Private Limited
	( X )	The Dreyfus Corporation (parent holding company of Dreyfus
		Investment Advisors, Inc.)
	( X )	
	( )	
	( )	·
	( )	Mellon Ventures II, L.P.
	( )	Mellon Ventures, L.P.
(C)	The T	tem 3 classification of each of the legal entities listed below
(0)		tem 3(g) Parent Holding Company, in accordance with Section
		3d-I(b)(ii)(G)."
	( X )	MBC Investments Corporation (parent holding company of Mellon
		Capital Management Corporation, Mellon UK Holdings, Mellon
	/ V \	Ventures Fund Holding Corp. and Mellon Ventures II, L.P.)
	( X )	Mellon Financial Corporation
	( )	Newton Management Limited (parent holding company of all Newton entities listed in (B) above)
	( X )	The Boston Company, Inc. (parent holding company of Boston
	, 21 /	Safe Deposit and Trust Company, Boston Safe Advisors, Inc.,
		Franklin Portfolio Associates, LLC, TBCAM Holdings, Inc.,
		The Boston Company Asset Management, LLC, Mellon Trust of
		California, Mellon Private Trust Company, National Association

and Mellon Trust of New York)

NOTE: ALL OF THE LEGAL ENTITIES LISTED UNDER (A) AND (B) ABOVE ARE DIRECT OR INDIRECT SUBSIDIARIES OF MELLON FINANCIAL CORPORATION. BENEFICIAL OWNERSHIP OF MORE THAN FIVE PERCENT OF THE CLASS BY ANY ONE OF THE SUBSIDIARIES OR INTERMEDIATE PARENT HOLDING COMPANIES LISTED ABOVE IS REPORTED ON A JOINT REPORTING PERSON PAGE FOR THAT SUBSIDIARY ON THE ATTACHED SCHEDULE 13G AND IS INCORPORATED IN THE TOTAL PERCENT OF CLASS REPORTED ON MELLON FINANCIAL CORPORATION'S REPORTING PERSON PAGE. (DO NOT ADD THE SHARES OR PERCENT OF CLASS REPORTED ON EACH JOINT REPORTING PERSON PAGE ON THE ATTACHED SCHEDULE 13G TO DETERMINE THE TOTAL PERCENT OF CLASS FOR MELLON FINANCIAL CORPORATION.)