MARTIN LOIS M Form 3 February 02, 2006 FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 OMB APPROVAL OMB 3235-0104

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 Add Person <u>*</u> MARTIN	1	orting	2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol MTS SYSTEMS CORP [MTSC]					
(Last)	(First)	(Middle)	01/31/2006	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Original Filed(Month/Day/Year)		
14000 TECH	(Street)			(Check X_ Director Officer (give title below	Other	Owner	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I - I	Non-Derivat	ive Securiti	es Be	neficially Owned		
1.Title of Securit (Instr. 4)	iy		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	1		
Common Stor	ck (1)		2,200		D	Â			
Reminder: Repor owned directly or	-	ate line for ea	ch class of securities benefic	ially S	EC 1473 (7-02)			
	inform require	ation conta ed to respo	pond to the collection of ained in this form are no nd unless the form disp MB control number.	t					
Ta	ble II - Deri	ivative Secu	rities Beneficially Owned (e	e.g., puts, calls,	warrants, opt	ions, c	onvertible 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	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D) or Indirect	

January 31,

2005

0.5

Expires:

response...

Estimated average burden hours per

Shares

(I) (Instr. 5)

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
MARTIN LOIS M 14000 TECHNOLOGY DRIVE EDEN PRAIRIE, MN 55344	ÂX	Â	Â	Â		
Signatures						
Lois M. Martin by Barbara J. Car POA	penter, 02/02/2006			5		

**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) Grant of restricted stock in compliance with Rule 16b-3(d)(1)

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.