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 Addre Person <u>*</u> Klemmenser	1	orting	2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol MTS SYSTEMS CORP [MTSC]				
(Last) (A	First)	(Middle)	08/03/2018	4. Relationshi Person(s) to I	p of Reporting ssuer		5. If Amendment, Date Original Filed(Month/Day/Year)	
14000 TECHN	Street)			Director X Officer (give title below	all applicable) 10% (Other v) (specify belo . Counsel and s	Owner ow)	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) (S	State)	(Zip)	Table I -	Non-Derivat	ive Securiti	es Bei	neficially Owned	
1.Title of Security (Instr. 4)			2. Amount Beneficially (Instr. 4)	of Securities 7 Owned	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	1	
Common Stock			2,864 (1)		D	Â		
Reminder: Report of owned directly or in		te line for ea	ch class of securities benefi	cially S	EC 1473 (7-02)		
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.								
Tabl	e II - Deriv	vative Secur	ities Beneficially Owned (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	

3235-0104

January 31,

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Expires:

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Estimated average burden hours per

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				Shares		(I) (Instr. 5)	
Stock Option (right to buy)	(2)	12/04/2020	Common Stock	2,673	\$ 64.9	D	Â
Stock Option (right to buy)	(2)	12/03/2021	Common Stock	1,072	\$ 66.98	D	Â
Stock Option (right to buy)	(3)	12/09/2022	Common Stock	2,601	\$ 61.74	D	Â
Stock Option (right to buy)	(4)	04/17/2024	Common Stock	3,167	\$ 46.25	D	Â
Stock Option (right to buy)	(5)	04/17/2025	Common Stock	3,244	\$ 52.3	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Klemmensen Todd 14000 TECHNOLOGY DRIVE EDEN PRAIRIE, MN 55344	Â	Â	Sr. VP, Gen. Counsel and Secy	Â		

Signatures

/s/ Amanda Lorentz as attorney-in-fact for Todd Klemmensen pursuant to Power of Attorney 08/09/2018 filed herewith.

**Signature of Reporting Person

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).

Includes (i) 142 restricted stock units that vest on 12/9/18; (ii) 439 restricted stock units that vest as to 220 shares on 4/17/19 and as to 219 shares on 4/17/20; (iii) 414 restricted stock units that vest as to 138 shares on each of 8/15/18, 8/15/19 and 8/15/20; and (iv) 692 restricted stock units that vest as to 231 shares on each of 4/17/19 and 4/17/20 and as to 230 shares on 4/17/21.

- (2) Fully vested.
- (3) Options to purchase 867 shares vest on 12/9/18.
- (4) Options to purchase 1,056 shares vest on 4/17/19 and options to purchase 1,055 shares vest on 4/17/20.
- (5) Options to purchase 1,082 shares vest on 4/17/19 and options to purchase 1,081 shares vest on each of 4/17/20 and 4/17/21.

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.

Date