Hore David Form 4 April 19, 2019

FORM 4

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

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

(Print or Type Responses)

1(b).

(Last)

(City)

Stock

1. Name and Address of Reporting Person * Hore David

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

below)

MTS SYSTEMS CORP [MTSC]

(Check all applicable)

(First) 14000 TECHNOLOGY DRIVE

(Street)

(State)

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

Director 10% Owner X_ Officer (give title Other (specify

04/17/2019

President, Sensors

(Middle)

(Zip)

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

EDEN PRAIRIE, MN 55344

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) Owned Ownership (Instr. 8) (D) or Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s)

(Instr. 3 and 4) (D) Price

Code V Amount Common 04/17/2019 F 289 (1) D

30,230.1589 D (2)(3)55.25

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transactio Code (Instr. 8)	5. onNumber 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)		8. Price Derivat Securit (Instr. 5
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 46.25					<u>(4)</u>	04/17/2024	Common Stock	7,139	
Stock Option (right to buy)	\$ 52.3					<u>(5)</u>	04/17/2025	Common Stock	5,040	
Stock Option (right to buy)	\$ 48.8					<u>(6)</u>	12/05/2025	Common Stock	5,448	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
Hore David							
14000 TECHNOLOGY DRIVE			President, Sensors				
EDEN PRAIRIE MN 55344							

Signatures

/s/ Amanda Lorentz as attorney-in-fact for David T. Hore pursuant to power of attorney previously filed.

04/19/2019

**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) Represents shares withheld for payment of tax liability.
- (2) Includes (i) 1,861 restricted stock units that vest on 8/15/19; (ii) 495 restricted stock units that vest on 4/17/20; (iii) 1,366 restricted stock units that vest as to 683 shares on each of 2/15/20 and 2/15/21; (iv) 717 restricted stock units that vest as to 359 shares on 4/17/20 and as to 358 shares on 4/17/21; and (v) 1,409 restricted stock units that vest as to 470 shares on each of 12/5/19 and 12/5/20 and as to 469

Reporting Owners 2

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shares on 12/5/21.

- (3) Includes 114.9052 shares acquired through the MTS Systems Corporation dividend reinvestment plan.
- (4) Options to purchase 2,380 shares vest on each of 4/17/18 and 4/17/19 and options to purchase 2,379 shares vest on 4/17/20.
- (5) Options to purchase 1,680 shares vest on each of 4/17/19, 4/17/20 and 4/17/21.
- (6) Options to purchase 1,816 shares vest on each of 12/5/19, 12/5/20 and 12/5/21.

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.