

ALLIANCE DATA SYSTEMS CORP  
 Form 4  
 February 22, 2017

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 Address of Reporting Person \*  
 HEFFERNAN EDWARD J

2. Issuer Name and Ticker or Trading Symbol  
 ALLIANCE DATA SYSTEMS CORP [ADS]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 7500 DALLAS PARKWAY, SUITE 700  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/17/2017

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 President and CEO

PLANO, TX 75024

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	02/17/2017		F(1)	2,642	D \$ 232.69	248,396	D
Common Stock	02/21/2017		F(1)	3,437	D \$ 235.4	244,959 (2)	D

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

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SEC 1474 (9-02)

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

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. Transaction Code (Instr. 8)	5. Number 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 of Derivative Security (Instr. 5)	9. Nu...	Deriv...	Secur...	Bene...	Own...	Follo...	Repo...	Trans...	(Instr...
					Code	V	(A)	(D)	Title	Amount or Number of Shares							

### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HEFFERNAN EDWARD J 7500 DALLAS PARKWAY, SUITE 700 PLANO, TX 75024	X		President and CEO	

### Signatures

Cynthia L. Hageman, Attorney in Fact 02/22/2017  
\*\*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) Shares withheld by the Company to satisfy the Reporting Person's tax withholding obligation upon the vesting of restricted stock units.  
 The total number of securities beneficially owned includes: (a) 195,261 unrestricted shares; (b) 1,297 unvested units from an award of 3,814 time-based restricted stock units granted 2/17/15; (c) 5,188 unvested units from an award of 15,257 performance-based restricted stock units granted 2/17/15; (d) 3,367 unvested units from an award of 5,026 time-based restricted stock units granted 2/16/16; (e) 5,994 unvested units from an award of 8,947 performance-based restricted stock units granted 2/16/16; (f) 5,578 unvested time-based restricted stock units granted 2/15/17; (g) 11,155 unvested performance-based restricted stock units granted 2/15/17; (h) 11,155 unvested performance-based restricted stock units granted 2/15/17; and (i) 5,964 unvested performance-based restricted stock units granted 2/15/17.

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.