

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>HEFFERNAN EDWARD J</u> (Last) (First) (Middle) 7500 DALLAS PARKWAY, SUITE 700 (Street) PLANO TX 75024 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ALLIANCE DATA SYSTEMS CORP [ADS]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) President and CEO
	3. Date of Earliest Transaction (Month/Day/Year) 11/18/2016	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/18/2016		M ⁽¹⁾⁽²⁾		15,223	A	\$63.35	250,651	D	
Common Stock	11/18/2016		S ⁽¹⁾⁽²⁾		3,205	D	\$216.828 ⁽³⁾	247,446	D	
Common Stock	11/18/2016		S ⁽¹⁾⁽²⁾		12,018	D	\$217.883 ⁽⁴⁾	235,428 ⁽⁵⁾	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option (Right to Buy)	\$63.35	11/18/2016		M ⁽¹⁾⁽²⁾			15,223	(6)	02/21/2017	Common Stock	15,223	(6)	0	D	

Explanation of Responses:

- Cashless exercise of employee stock options due to expire on February 21, 2017, ten years after such options were granted.
- The transaction reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on October 24, 2016.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$216.54 to \$217.31, inclusive. The reporting person undertakes to provide to Alliance Data Systems Corporation, any security holder of Alliance Data Systems Corporation, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes (3) and (4) to this Form 4.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$217.76 to \$218.60, inclusive.
- The total number of securities beneficially owned includes: (a) 189,329 unrestricted shares; (b) 1,276 unvested units from an award of 3,751 time-based restricted stock units granted 2/18/14; (c) 6,914 unvested units from an award of 20,333 performance-based restricted stock units granted 2/18/14; (d) 2,556 unvested units from an award of 3,814 time-based restricted stock units granted 2/17/15; (e) 10,223 unvested units from an award of 15,257 performance-based restricted stock units granted 2/17/15; (f) 5,026 unvested time-based restricted stock units granted 2/16/16; and (g) 20,104 unvested performance-based restricted stock units granted 2/16/16.
- This is an employee stock option grant that is fully vested.

Remarks:

Cynthia L. Hageman, Attorney 11/22/2016
in Fact

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

REVOCAATION AND APPOINTMENT OF POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby revokes and rescinds the Power of Attorney dated February 17, 2011, which appointed Leigh Ann K. Epperson and Cynthia L. Hageman as attorneys-in-fact, for purposes of completing, executing and filing any applicable Forms 3, 4, 5 or 144 as further set out in that Power of Attorney.

Know all by these presents, that the undersigned hereby constitutes and appoints Cynthia L. Hageman and Kristen Rafael-Githens as the undersigned's true and lawful attorney-in-fact to:

(1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Alliance Data Systems Corporation (the "Company"), any filing in connection with the undersigned's holdings of or transactions in securities issued by the Company, including but not limited to, Forms 3, 4 or 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended, and the rules thereunder, or Form 144 in accordance with Rule 144 of the Securities Act of 1933, as amended, and the rules thereunder;

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form, including but not limited to, Forms 3, 4, 5 or 144, and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this power of attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with the Securities Exchange Act of 1934, as amended, or the Securities Act of 1933, as amended.

This power of attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, 5, or 144, or any other form with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this power of attorney to be executed as of this 8th day of June, 2016.

/s/ Edward J. Heffernan
Printed Name: Edward J. Heffernan