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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

OMB APPRO	JVAL
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* Pearson Bryan A			2. Issuer Name and Ticker or Trading Symbol <u>ALLIANCE DATA SYSTEMS CORP</u> [ADS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) below)
(Last) 7500 DALL	ast) (First) (Middle) 500 DALLAS PARKWAY, SUITE 700		3. Date of Earliest Transaction (Month/Day/Year) 02/17/2017	EVP & President, LoyaltyOne
(Street) PLANO	ТХ	75024	4. If Amendment, Date of 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
(City)	(State)	(Zip)		Person

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)			4. Securities Disposed Of				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	Transaction(s) (Instr. 3 and 4)		(1150. 4)
Common Stock	02/17/2017		F ⁽¹⁾		1,295	D	\$232.69	23,269	D	
Common Stock	02/21/2017		F ⁽¹⁾		1,783	D	\$235.4	21,486 ⁽²⁾	D	
Common Stock								85,942	Ι	By 2456779 Ontario Inc. ⁽³⁾

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

(e.g., puis, cai					, 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	Amount or Number of Shares				

Explanation of Responses:

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) 3,450 unrestricted shares; (b) 499 unvested units from an award of 1,465 time-based restricted stock units granted 2/17/15; (c) 1,994 unvested units from an award of 1,830 time-based restricted stock units granted 2/17/15; (d) 1,226 unvested units from an award of 1,830 time-based restricted stock units granted 2/16/16; (e) 2,183 unvested units from an award of 3,259 performance-based restricted stock units granted 2/16/16; (f) 1,992 unvested time-based restricted stock units granted 2/15/17; (g) 3,985 unvested performance-based restricted stock units granted 2/15/17; and (i) 2,172 unvested performance-based restricted stock units granted 2/15/17;
 The shares are held by 2456779 Ontario Inc., an Ontario, Canada corporation, of which the reporting person is the sole shareholder.

3. The snares are held by 2456779 Ontario Inc., an Ontario, Canada corporation, of which the reporting person is the sole si

Remarks:

Cynthia L. Hageman, Attorney 02/22/2017

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.