

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

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

1. Name and Address of Reporting Person* <u>Miller Melisa A</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)  Director 10% Owner  <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>EVP &amp; Pres, Card Services</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>02/15/2019</u>	
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	02/15/2019		A <sup>(1)</sup>		2,880	A	(1)	38,454	D	
Common Stock	02/15/2019		A <sup>(2)</sup>		5,759	A	(2)	44,213	D	
Common Stock	02/15/2019		A <sup>(3)</sup>		5,759	A	(3)	49,972	D	
Common Stock	02/15/2019		F <sup>(4)</sup>		1,902	D	\$171.22	48,070	D	
Common Stock	02/19/2019		F <sup>(4)</sup>		761	D	\$174.28	42,453 <sup>(5)(6)(7)</sup>	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					

**Explanation of Responses:**

- The new grant is for 2,880 shares of common stock represented by time-based restricted stock units. The restrictions will lapse on 950 units on each of 2/18/20 and 2/16/21 and on 980 units on 2/15/22, subject to continued employment by the Reporting Person on the vesting dates.
- The new grant is for 5,759 shares of common stock represented by performance-based restricted stock units, which may be adjusted up or down at the time the performance restriction lapses. The restriction may lapse with respect to 33% of such shares on each of 2/18/20 and 2/16/21 and with respect to 34% of such shares on 2/15/22 contingent on meeting an EBT metric for 2019 and subject to continued employment by the Reporting Person on the vesting dates.
- The new grant is for 5,759 shares of common stock represented by performance-based restricted stock units, which may be adjusted up or down at the time the performance restriction lapses. The restriction may lapse with respect to 100% of such shares on 2/16/21 contingent on meeting a relative total shareholder return metric for 2019 and 2020 and subject to continued employment by the Reporting Person on the vesting dates.
- 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) 19,456 unrestricted shares; (b) 670 unvested units from an award of 1,969 time-based restricted stock units granted 2/15/17; (c) 932 unvested units from an award of 2,745 performance-based restricted stock units granted 2/15/17; (d) 1,271 unvested units from an award of 1,897 time-based restricted stock units granted 2/15/18; (e) 1,929 unvested units from an award of 2,879 performance-based restricted stock units granted 2/15/18; (f) 3,797 unvested performance-based restricted stock units granted 2/15/18; (g) the new grant for 2,880 time-based restricted stock units; (h) the new grant for 5,759 performance-based restricted stock units; and (i) the new grant for 5,759 performance-based restricted stock units.
- Based on the Company's EBT performance in 2018, 75.8% of the original award of 3,797 performance-based restricted stock units granted 2/15/18, or 2,879 units, were earned. The restrictions will lapse with respect to 950 units on 2/18/20 and with respect to 979 units on 2/16/21, subject to continued employment by the Reporting Person on the remaining vesting dates.
- The grant for 3,938 performance-based restricted stock units awarded on 2/15/17 was forfeited due to failure to meet the relative total shareholder return metric for 2017 and 2018.

**Remarks:**

Cynthia L. Hageman, Attorney in Fact 02/20/2019

\*\* 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.

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