

Miller Melisa A
 Form 4
 February 21, 2018

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 *
 Miller Melisa A

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)
 02/16/2018

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 EVP & Pres, Card Services

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 | | | |
| | | | | Code | V | Amount | | |
| Common Stock | 02/16/2018 | | F(1) | 740 | D | \$ 243.5 | 48,844 | D |
| Common Stock | 02/20/2018 | | F(1) | 1,024 | D | \$ 246.52 | 47,820 (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. Number of Derivative Securities Owned Following Transaction (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Miller Melisa A 7500 DALLAS PARKWAY, SUITE 700 PLANO, TX 75024 | | | EVP & Pres, Card Services | |

Signatures

Cynthia L. Hageman, Attorney
in Fact 02/21/2018

__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) 27,978 unrestricted shares; (b) 602 unvested units from an award of 1,774 time-based restricted stock units granted 2/16/16; (c) 1,073 unvested units from an award of 3,158 performance-based restricted stock units granted 2/16/16; (d) 1,320 unvested units from an award of 1,969 time-based restricted stock units granted 2/15/17; (e) 1,839 unvested units from an award of 2,745 performance-based restricted stock units granted 2/15/17; (f) 3,938 unvested performance-based restricted stock units granted 2/15/17; (g) 1,579 unvested units from an award of 3,159 performance-based restricted stock units granted 2/15/17; (h) 1,897 unvested time-based restricted stock units granted 2/15/18; (i) 3,797 unvested performance-based restricted stock units granted 2/15/18; and (j) 3,797 unvested performance-based restricted stock units granted 2/15/18.

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.