

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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* <b><u>HORN CHARLES L</u></b>  (Last) (First) (Middle) <b>7500 DALLAS PARKWAY, SUITE 700</b>  (Street) <b>PLANO TX 75024</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b><u>ALLIANCE DATA SYSTEMS CORP [ ADS ]</u></b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner Officer (give title below) Other (specify below) <b>EVP &amp; Chief Financial Officer</b>
	3. Date of Earliest Transaction (Month/Day/Year) <b>11/30/2017</b>	
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	11/30/2017		s <sup>(1)</sup>		2,128	D	\$235	28,188 <sup>(2)</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 transaction reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on November 2, 2017.
- The total number of securities beneficially owned includes: (a) 13,986 unrestricted shares; (b) 373 unvested units from an award of 1,095 time-based restricted stock units granted 2/17/15; (c) 1,491 unvested units from an award of 4,384 performance-based restricted stock units granted 2/17/15; (d) 960 unvested units from an award of 1,434 time-based restricted stock units granted 2/16/16; (e) 1,711 unvested units from an award of 2,553 performance-based restricted stock units granted 2/16/16; (f) 1,593 unvested time-based restricted stock units granted 2/15/17; (g) 3,186 unvested performance-based restricted stock units granted 2/15/17; (h) 3,186 unvested performance-based restricted stock units granted 2/15/17; and (i) 1,702 unvested performance-based restricted stock units granted 2/15/17.

**Remarks:**

Cynthia L. Hageman, Attorney 12/01/2017  
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.