Taylor Geoffrey Form 4 May 24, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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, 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)

(Last)

(City)

(Instr. 3)

1. Name and Address of Reporting Person * **Taylor Geoffrey**

(First)

(Middle)

(Zip)

(Month/Day/Year)

C/O A123 SYSTEMS, INC., 200

WEST STREET

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

A123 SYSTEMS, INC. [AONE] 3. Date of Earliest Transaction

(Month/Day/Year) 05/20/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify below) below)

VP, Quality 6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

WALTHAM, MA 02451

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

5. Amount of Securities Beneficially Owned Following Reported

Form: Direct (D) or Indirect (I) (Instr. 4)

D

6. Ownership 7. Nature of Indirect Beneficial Ownership (Instr. 4)

Transaction(s) (Instr. 3 and 4)

or Amount (D) Price

Common 05/20/2011 Stock

4,000 A (1)(2)

Code V

A \$0

(A)

 $9,000^{(1)}$

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

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SEC 1474 (9-02)

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

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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. Transactic Code (Instr. 8)	5. Number on 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 5.66	05/20/2011		A	5,000	(3)	05/20/2021	Common Stock	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships					
1 6	Director	10% Owner	Officer	Other		
Taylor Geoffrey C/O A123 SYSTEMS, INC. 200 WEST STREET WALTHAM, MA 02451			VP, Quality			

Signatures

/s/ Eric J. Pyenson, Attorney-in-Fact for Geoffrey
Taylor

05/24/2011

**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) Restricted stock units ("RSUs"). Upon vesting thereof, the Reporting Person is entitled to receive one (1) share of common stock for each one (1) RSU.
- (2) 25% of the RSUs will vest on May 20, 2012, and 6.25% of the total number of RSUs will vest at the end of each three-month period thereafter, so that 100% of the RSUs will be fully vested on May 20, 2015.
- Option vests with respect to 25% of the shares subject thereto on May 20, 2012, and 6.25% of the total shares subject to the option will vest at the end of each three-month period thereafter, such that the option will be fully vested and exercisable on May 20, 2015.

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.

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