RUBINO MIKE Form 4 May 20, 2010

FORM 4

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

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Section 16. Form 4 or

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b).

OMB 3235-0287 Number:

OMB APPROVAL

January 31, Expires: 2005

0.5

Estimated average burden hours per response...

(Print or Type Responses)

1. Name and Address of Reporting Person * **RUBINO MIKE**

2. Issuer Name and Ticker or Trading Symbol

A123 SYSTEMS, INC. [AONE]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(Middle)

(Zip)

3. Date of Earliest Transaction

Director 10% Owner

(Check all applicable)

C/O A123 SYSTEMS, INC., 321

ARSENAL STREET

(Month/Day/Year) 05/18/2010

X_ Officer (give title below)

Other (specify below)

(Street)

(State)

(First)

4. If Amendment, Date Original

Filed(Month/Day/Year)

Chief Financial Officer 6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person

Form filed by More than One Reporting

Person

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

WATERTOWN, MA 02472

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

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

5. Amount of Securities Beneficially (D) or Owned Following (Instr. 4) Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

(9-02)

(A) or

Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

Common Stock (1)

(City)

05/18/2010

A 19,783 Α

19,783 \$0

D

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Option (Right to	\$ 10.11	05/18/2010		A	29,299	05/18/2011(2)	05/18/2020	Common Stock	29,299

Reporting Owners

	Relationships
Reporting Owner Name / Address	

Director 10% Owner Officer Other

RUBINO MIKE C/O A123 SYSTEMS, INC. 321 ARSENAL STREET WATERTOWN, MA 02472

Chief Financial Officer

Signatures

Buy)

/s/ Eric J. Pyenson, attorney-in-fact 05/19/2010

**Signature of Reporting Person Da

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) The reporting person was awarded restricted stock units (the "RSUs"). 25% of the RSUs vest on May 18, 2011, and 6.25% vest quarterly thereafter until the RSUs are fully vested.
- (2) 25% of the shares subject to the option vest on this date, and 6.25% of the shares subject to the option vest quarterly thereafter until the option is fully vested.

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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