A123 SYSTEMS, INC. Form SC 13G/A February 13, 2013

# SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

# **SCHEDULE 13G**

(Rule 13d-102)

# INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT

### TO § 240.13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED

PURSUANT TO § 240.13d-2.

(Amendment No. 1)\*

# A123 Systems, Inc.

(Name of Issuer)

### Common Stock, \$.001 par value per share

(Title of Class of Securities)

### 03739T108

(CUSIP Number)

#### December 31, 2012

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- o Rule 13d-1(b)
- x Rule 13d-1(c)
- o Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

	(1)	Names of Reporting Persons Capital Ventures International				
	(2)	Check the Appropriate Box if (a) (b)	a Member of a Group (See o o	Instructions)		
	(3)	SEC Use Only				
	(4)	Citizenship or Place of Organization Cayman Islands				
		(5)		Sole Voting Power 0		
Number of Shares Beneficia Owned by	lly	(6)		Shared Voting Power ** 12,500,000		
Each Reporting Person W	3	(7)		Sole Dispositive Power 0		
		(8)		Shared Dispositive Power ** 12,500,000		
	(9)	Aggregate Amount Beneficially Owned by Each Reporting Person 12,500,000				
	(10)	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o				
	(11)	Percent of Class Represented by Amount in Row (9) 3.8% Type of Reporting Person (See Instructions) CO				
	(12)					

<sup>\*\*</sup> Heights Capital Management, Inc. is the investment manager to Capital Ventures International and as such may exercise voting and dispositive power over these shares.

(1)	Names of Reporting Persons Heights Capital Management, Inc.				
(2)	Check the Appropriate Box if (a) (b)	a Member of a Group (See o o	Instructions)		
(3)	SEC Use Only				
(4)	Citizenship or Place of Organization Delaware				
Number of	(5)		Sole Voting Power 0		
Shares Beneficially Owned by	(6)		Shared Voting Power ** 12,500,000		
Each Reporting Person With	(7)		Sole Dispositive Power 0		
	(8)		Shared Dispositive Power ** 12,500,000		
(9)	Aggregate Amount Beneficially Owned by Each Reporting Person 12,500,000				
(10) Check Box if the Aggregate Amount in Row (9) Excludes Certain		s Certain Shares (See Instructions) o			
(11)	Percent of Class Represented by Amount in Row (9) 3.8%				
(12)	Type of Reporting Person (See CO	e Instructions)			

\*\* Heights Capital Management, Inc. is the investment manager to Capital Ventures International and as such may exercise voting and dispositive power over these shares.

Item 1.				
	(a)	Name of Issuer		
		A123 Systems, Inc.		
	(b)	Address of Issuer s Princip	al Executive Offices	
	(0)			
		200 West Street, Waltham,	MA 02451	
Item 2 (a).		Name of Person Filing		
		This statement is filed by th	e entities listed below, who are collectively referred to herein as Reporting	
		Persons, with respect to th Shares ).	e shares of Common Stock of the Company, \$.001 par value per share (the	
		(i) Capi	tal Ventures International	
Item 2 (b).		Address of Principal Busine	ts Capital Management, Inc. ss Office or, if none, Residence business office of Capital Ventures International is:	
		The address of the principal	business office of Capital Ventures international is.	
		One Capitol Place		
		P.O Box 1787 GT		
		Grand Cayman, Cayman Isl	ands	
		British West Indies		
		The address of the principal	business office of Heights Capital Management, Inc. is:	
		101 California Street, Suite	3250	
Item 2 (c).		San Francisco, California 94 Citizenship		
Item 2 (d)		Citizenship is set forth in Ro herein by reference for each Title of Class of Securities	by 4 of the cover page for each Reporting Person hereto and is incorporated such Reporting Person.	
Item 2 (e)		Common Stock, \$.001 par v CUSIP Number	alue per share	
- (-)		03739T108		
Item 3.	If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:			
	(a)	0	Broker or dealer registered under section 15 of the Act (15 U.S.C. 780).	
	(b)	0	Bank as defined in section $3(a)(6)$ of the Act (15 U.S.C. 78c).	
	(c)	0	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).	

(d)	0	Investment company registered under section 8 of the Investment
		Company Act of 1940 (15 U.S.C. 80a-8).
(e)	0	An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
(f)	0	An employee benefit plan or endowment fund in accordance with
		§240.13d-1(b)(1)(ii)(F);
(g)	0	A parent holding company or control person in accordance with
.e.		§240.13d-1(b)(1)(ii)(G);
(h)	0	A savings association as defined in Section 3(b) of the Federal Deposit
		Insurance Act (12 U.S.C. 1813);
(i)	0	A church plan that is excluded from the definition of an investment
		company under section 3(c)(14) of the Investment Company Act of 1940
		(15 U.S.C. 80a-3);
(j)	0	A non-U.S. institution in accordance with § 240.13d 1(b)(1)(ii)(J);
07		Group, in accordance with Rule 13d $1(b)(1)(ii)(K)$ . If filing as a non-U.S.
		institution in accordance with
(k)	0	
(K)	0	
		§ 240.13d 1(b)(1)(ii)(J), please specify the type of institution:

Item 4. Provide the following information regarding the	<b>Ownership</b> aggregate number and percentage of the class of securities of the issuer identified in Item 1. The information required by Items 4(a) (c) is set forth in Rows 5 11 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.
	The number of Shares reported as beneficially owned consists of warrants to purchase Shares. The warrants are not exercisable to the extent that the total number of Shares then beneficially owned by a Reporting Person and its affiliates and any other persons whose beneficial ownership of Shares would be aggregated with such Reporting Person for purposes of Section 13(d) of the Exchange Act, would exceed 4.99%.
	Based upon information provided by the Issuer, as of October 1, 2012, there were 313,900,610 Shares outstanding.
	Heights Capital Management, Inc., which serves as the investment manager to Capital Ventures International, may be deemed to be the beneficial owner of all Shares owned by Capital Ventures International. Each of the Reporting Persons hereby disclaims any beneficial ownership of any such Shares, except for their pecuniary interest therein.
<b>Item 5.</b> If this statement is being filed to report the fact th five percent of the class of securities, check the for	<b>Ownership of Five Percent or Less of a Class</b> hat as of the date hereof the reporting person has ceased to be the beneficial owner of more than bollowing: x.
Item 6.	<b>Ownership of More than Five Percent on Behalf of Another Person</b> Not applicable.
Item 7.	Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person Not applicable.
Item 8.	Identification and Classification of Members of the Group Not applicable
Item 9.	<b>Notice of Dissolution of Group</b> Not applicable.

#### Item 10.

#### Certification

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Signatures

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information with respect to it set forth in this statement is true, complete, and correct.

Dated: February 13, 2013

# CAPITAL VENTURES INTERNATIONAL

By: Heights Capital Management, Inc. pursuant to a Limited Power of Attorney, a copy of which is filed as Exhibit I hereto.

By: /s/ Brian Sopinsky Name: Brian Sopinsky Title Secretary

### HEIGHTS CAPITAL MANAGEMENT, INC.

By: /s/ Brian Sopinsky Name: Brian Sopinsky Title Secretary

# EXHIBIT INDEX

EXHIBIT

# DESCRIPTION

I Limited Power of Attorney

II Joint Filing Agreement, dated January 26, 2012, pursuant to Rule 13d-1(k) between Capital Ventures International and Heights Capital Management, Inc.

#### Exhibit I

### LIMITED POWER OF ATTORNEY

THIS LIMITED POWER OF ATTORNEY given on the 3rd day of April, 1999 by Capital Ventures International (hereinafter called the Company), whose Registered Office is situated at Second Floor, One Capital Place, P.O. Box 1781, Grand Cayman Islands, B.W.I.

WHEREAS, by agreement dated March 10, 1997, by and between the Company and Heights Capital Management, the Company expressly authorized Heights Capital Management to enter into transactions in certain designated areas as defined in the Agreement attached hereto marked Appendix 1.

NOW THIS DEED WITNESSETH that Ian A.N. Wight (Director) and Woodburne Associates (Cayman) Limited (Secretary) of the Company, hereby appoint on behalf of the Company the firm of HEIGHTS CAPITAL MANAGEMENT which through its officers, directors and employees is hereby formally granted limited power of attorney for the purpose of entering into transactions on behalf of and for the account of the Company and to take any actions on behalf of the Company as may be necessary to consummate such transactions, including but not limited to instructing the transfer of funds where necessary and executing required documentation.

IN WITNESS WHEREOF, the Company has caused its common seal to be hereunto affixed the day and year above written.

THE COMMON SEAL OF CAPITAL VENTURES INTERNATIONAL was hereunto affixed in the presence of:

/s/ Ian A.N. Wight Ian A.N. Wight (Director)

/s/ Woodburne Associates Woodburne Associates (Cayman) Limited Secretary

### EXHIBIT II

#### JOINT FILING AGREEMENT

This will confirm the agreement by and among the undersigned that the Schedule 13G filed with the Securities and Exchange Commission on or about the date hereof with respect to the beneficial ownership by the undersigned of the shares of Common Stock of A123 Systems, Inc., \$.001 par value per share is being filed, and all amendments thereto will be filed, on behalf of each of the persons and entities named below in accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Dated as of January 26, 2012

#### CAPITAL VENTURES INTERNATIONAL

By: Heights Capital Management, Inc. pursuant to a Limited Power of Attorney

By: /s/ Brian Sopinsky Name: Brian Sopinsky Title Secretary

### HEIGHTS CAPITAL MANAGEMENT, INC.

By: /s/ Brian Sopinsky Name: Brian Sopinsky Title Secretary